Legend

(1) According to

Jest specimens: Type 1 B. (6) (fest speed: 5 mm/min. Test speed: 1 mm/min. (8) 10 mm thick test specimens.

at gilbert curry industrial plastics telephone 0800 321 3085

nethod of ISO 62 and done on discs Ø 50

Only for short time exposure (a few yours) (in applications where no or only a very low load is applied to the material. Temperature resistance over a period of min. 20,000 hours. After this period of time, there is a decrease in tensile strength of about 50% as compared with the original value. The temperature value given here is thus based on the thermal-oxidative degradation which takes place and causes a reduction in properties. Note, however, that the maximum allowable service temperature depends in many cases essentially on the divation and the magnitude of the mechanical stresses to which the material is subjected. These postly estimated ratings, derived from raw material supplier data, are not intended to reflect hazards presented by the materials under actual fire conditions. There is no OL-yellow card available for TORLON 5530 PAI stock shapes.

This compression moulded, 30% glass fibre reinforced grade offers higher stiffness, mechanical strength and creep resistance than TORLON 4203 PAI and TORLON 4503 PAI. It is well suited for structural applications supporting static loads for long periods of time at high temperatures. The suitability of TORLON 5530 PAI for sliding parts, however, is to be carefully examined since the glass fibres tend to abrade the mating surface.

Physical properties (indicative values*)

Colour	g/cm³ mg % % % % °C °C °C W/(K·m) m/(m·K)	NA 280 0.36 25·10·6 25·10·6 25·10·6 25·0·6 2
Water absorption: - after 24 h immersion in water of 23°C (1) 62 - at saturation in air of 23°C / 50% RH - at saturation in water of 23°C	mg % % % % % % °C °C W/(K·m) m/(m·K) m/(m·K) % °C °C % — MPa % MPa k3/m3	1.61 25 0.26 1.7 3.0 NA 280 0.36 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 25·10-6 280 280 280 25.10-6 280 280 280 25.10-6 25.1
Water absorption: - after 24 h immersion in water of 23°C (1) 62 - at saturation in air of 23°C / 50% RH - at saturation in water of 23°C - Thermal Properties Melting temperature Glass transition temperature Thermal conductivity at 23°C Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa T5 Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electrical Properties at 23°C Electric strength (9) Volume resistivity G00933 Telephore Tele	mg % % % % % % °C °C W/(K·m) m/(m·K) m/(m·K) % °C °C % — MPa % MPa k3/m3	25 0.26 1.7 3.0 NA 280 0.36 25·10·6 25·10·6 25·10·6 25·10·6 25·10·6 25·0·6 25·10·6 25·
- after 24 h immersion in water of 23°C (1) 62 - at saturation in air of 23°C / 50% RH - at saturation in water of 23°C - at saturation in water of 23°C - Thermal Properties Melting temperature Glass transition temperature - Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value between 23 and 150°C - average value between 150°C - femperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) - Elammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Fension test (5): - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electrical Properties at 23°C Electric strength (9) Volume resistivity Geografic Seption Hz Gold 250 Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz Felectric dissipation factor tan 8; - 3t, 100 Hz	% % % % % °C °C W/(K·m) m/(m·K) m/(m·K) % % % % % % % % % % % % % % % % % %	0.26 1.7 3.0 NA 280 0.36 25·10-6 25·10
- at saturation in air of 23°C / 50% RH - at saturation in water of 23°C - Thermal Properties Melting temperature Glass transition temperature Thermal conductivity at 23°C Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile stress at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Ele	% % % % % °C °C W/(K·m) m/(m·K) m/(m·K) % % % % % % % % % % % % % % % % % %	0.26 1.7 3.0 NA 280 0.36 25·10-6 25·10
- at saturation in air of 23°C / 50% RH - at saturation in water of 23°C - Thermal Properties Melting temperature Glass transition temperature - Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - coefficient of deflection under load: - method A: 1.8 MPa - 75 Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile stress at Deak (6) - tensile strein at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electrical Proper	% % % % % % % % % m/(m·k) m/(m·k) m/(m·k) % MPa % MPa % MPa kJ/m²	1.7 3.0 NA 280 0.36 25·10-6 25
- at saturation in water of 23°C — Thermal Properties —	% °C °C W/(K·m) m/(m·k) m/(m·k) m/(m·k) °C °C °C % ~C % — MPa MPa k3/m²	3.0 NA 280 0.36 25 · 10 · 6 2
Melting temperature Glass transition temperature Thermal conductivity at 23°C Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Geografic Goografic	°(W/(K·m) m/(m·k) m/(m·k) m/(m·k) °(°(°(MPa MPa k3/m²	NA 280 0.36 25 · 10 · 6 25 · 1
Melting temperature Glass transition temperature Thermal conductivity at 23°C Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Geografic (60243) Volume resistivity Geografic (60293) Tensile modulus of elasticity (7) - at 1 MHz Geografic (60250) Geografic (60250) Geografic (60250) Geografic (60250)	°(W/(K·m) m/(m·k) m/(m·k) m/(m·k) °(°(°(MPa MPa k3/m²	280 25 · 10 · 6 25 · 10 · 6 25 · 10 · 6 25 · 10 · 6 25 · 10 · 6 270 250 V-0 V-0 · 0 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 2.5 6,200 6,2
Glass transition temperature Thermal conductivity at 23°C Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Geografic Surface Resistivity Geografic	°(W/(K·m) m/(m·k) m/(m·k) m/(m·k) °(°(°(MPa MPa k3/m²	280 0.36 25 · 10 · 6 25 · 10 · 6 26 · 10 · 6 27 · 10 · 6 28 · 10 · 10 · 6 28
Thermal conductivity at 23°C Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Geografic (60243) Volume resistivity Geografic (60243) Field the first of the first o	W/(K·m) m/(m·k) m/(m·k) og oc oc oc MPa MPa k3/m3	0.36 25 · 10 · 6 25 · 10 · 6 25 · 10 · 6 280 270 250 V-0 V-0 V-0 V-0 V-0 V-0 V-0 V-0 V-0 V-0
Coefficient of linear thermal expansion: - average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C - memperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Georga Georga	m/(m·K) m/(m·K) m/(m·K) % % % % % % % % % % % % % % % % % MPa % MPa % MPa k3/m3	25·10·6 25·10·6 25·10·6 25·10·6 280 270 250 V-0/1-0 3.5 E36 (M 125)
- average value between 23 and 100°C - average value between 23 and 150°C - average value above 150°C Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile stress at break (6) - tensile stress at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Georga Ge	m/(m·k) m/(m·k) % % % % % MPa % MPa kJ/m²	25 · 10 · 6 25 · 10 · 6 280 270 250 V-0 V-0 6,200 3.5 E 85 (M 125)
- average value between 23 and 150°C - average value above 150°C - average value above 150°C - Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) - Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile stress at break (6) - tensile stress at break (6) - tensile modulus of elasticity (7) - Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electrical roperties at 23°C Electrical roperties at 23°C Electrical strength (9) Volume resistivity Relative permittivity \(\varepsilon_{\text{0.0933}}\) Googs (60243) Dielectric dissipation factor tan \(\varepsilon_{\text{-}} = \varepsilon_{\text{1.00 Hz}}\) (60250)	m/(m·k) m/(m·k) % % % % % MPa % MPa kJ/m²	25 · 10 · 6 25 · 10 · 6 280 270 250 V-0 V-0 6,200 3.5 E 85 (M 125)
- average value above 150°C — Temperature of deflection under load: - method A: 1.8 MPa 75 Max. allowable service temperature in air: - for short periods (2) — - continuously: for min. 20,000h (3) — Flammability (4): - "Oxygen index" 4589 - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) 527 - tensile strain at break (6) 527 - tensile strain at break (6) 527 Charpy impact strength - Notched 752/179/1eA Rockwell hardness (8) 752/179/1eA	m/(m·k) °g °C % — MPa % MPa k3//m²	25 · 10 · 6 280 270 250 V-0 V-0 · 6 6,200 3.5 E 85 (M 125)
Temperature of deflection under load: - method A: 1.8 MPa 75 Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Georga Georg	MPa % MPa k3/m3	280 270 250 V-0/N-0 6,200 3.5 E35 (M 125)
- method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Fension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Gelative permittivity \$\varepsilon\$; - at 1 MHz Dielectric dissipation factor tan 8; - 3t, 100 Hz Gel2500	% C % MPa %	270 250 V-0/V-0 3.5 6,200 3.5 E85 (M 125)
Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000h (3) - flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Nockwell hardness (8) Electrical Properties at 23°C Electrics strength (9) Volume resistivity	% C % MPa %	270 250 V-0/V-0 3.5 6,200 3.5 E85 (M 125)
- for short periods (2) - continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23 °C Fension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23 °C Electric strength (9) Volume resistivity Geograph Geogr	°C % — MPa % MPa k3//m²	50 V-0 V-0 V-0 6,200 3.5 E 85 (M 125)
- continuously: for min. 20,000h (3) Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Fension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Geoval	°C % — MPa % MPa k3//m²	50 V-0 V-0 V-0 6,200 3.5 E 85 (M 125)
Flammability (4): - "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity \$\varepsilon\$; - at 100 Hz \$\varepsilon\$ (60250) \$\varepsilon\$ (60250)	MPa % MPa k3/m3	6,200 3.5 E35 (M 125)
- "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity e _r : - at 1 MHz Dielectric dissipation factor tan 8; - 3t 100 Hz (50250)	MPa % MPP kJ/m3	6,200 3.5 E35 (M 125)
- "Oxygen index" - according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity e _r : - at 1 MHz Dielectric dissipation factor tan 8; - 3t 100 Hz (50250)	MPa % MPP kJ/m3	V-0/N-0 6,200 3.5 85 (M 125)
- according to UL 94 (1.5/3 mm thickness) Mechanical Properties at 23 °C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23 °C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity \(\varepsilon_{\text{c}} = \text{at 1 MHz} \) Dielectric dissipation factor \(\text{tan 0} \text{ \cdots} \), - \(\varepsilon_{\text{d}} \text{ 100 Hz} \) (\(\varepsilon_{\text{d}} \text{ 250}\) (\(\varepsilon_{\text{d}} \text{ 250}\) (\(\varepsilon_{\text{d}} \text{ 250}\)	MPa % MPP kJ/m3	V-0/N-0 6,200 3.5 85 (M 125)
Mechanical Properties at 23°C Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity (60093) Relative permittivity ε _Γ : - at 1 MHz Dielectric dissipation factor tan δ: - 3t 100 Hz (60250)	MPz/ k3/m²	6,200 3.5 EBS (M 125)
Tension test (5): - tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23 °C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity ε_Γ : - at 1 MHz Dielectric dissipation factor $\tan \delta$; - $\frac{1}{2}$ 100 Hz (60250)	MPz/ k3/m²	3.5 E.85 (M 125)
- tensile stress at break (6) - tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity \(\varepsilon_{\text{c}} = \text{at 100 Hz} \) Dielectric dissipation factor \(\text{tan 0} \text{ n} \text{ s 2t 100 Hz} \) (60250)	MPz/ k3/m²	3.5 E.85 (M 125)
- tensile strain at break (6) - tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity \$\varepsilon\$; - at 1 MHz Dielectric dissipation factor tan 0; - 3t 100 Hz 527 527 527 528 60243) (60243) (60243) (60293) (60293) (60250)	MPz/ k3/m²	3.5 E.85 (M 125)
- tensile modulus of elasticity (7) Charpy impact strength - Notched Rockwell hardness (8) Electrical Properties at 23°C Electric strength (9) Volume resistivity Surface resistivity Relative permittivity ε _Γ : - at 100 Hz - at 1 MHz Dielectric dissipation factor tan δ; - 3t 100 Hz (50250)	MPa/ k3/m²	3.5 E.85 (M 125)
Charpy impact strength - Notched Rockwell hardness (8) Rockwell h	k3/m²	3.5 E.85 (M 125)
Rockwell hardness (8) 2039-2 Electrical Properties at 23 °C Electric strength (9) (60243) Volume resistivity (60093) Surface resistivity (60963) (60250) $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	kvmm	E 85 (M 125)
Electrical Properties at 23°C Electric strength (9) (60243) Volume resistivity (60093) Surface resistivity (60953) Relative permittivity $\varepsilon_{\rm r}$: - at 100 Hz (60250) Dielectric dissipation factor $\tan \delta_{\rm r}$: - 3 t 100 Hz (60250)		>
Electric strength (9) (60243) Volume resistivity (60093) Surface resistivity (60933) (60250) Relative permittivity ε_r : - at 100 Hz (60250) Dielectric dissipation factor $\tan \delta_1$: - $3\varepsilon_1$ 200 Hz (60250)		> 20
Volume resistivity (60093) Surface resistivity (60963) Relative permittivity ε_r : - at 100 Hz (60250) Dielectric dissipation factor $\tan \delta_1$: - $\frac{3}{2}$ (100 Hz (60250)		20
Volume resistivity (60093) Surface resistivity (60963) Relative permittivity $\varepsilon_{\rm r}$: - at 100 Hz (60250) Dielectric dissipation factor $\tan \delta_{\rm r}$: - $\frac{3}{2}$, 100 Hz (60250)		28
Surface resistivity (60993) Relative permittivity $\varepsilon_{\rm r}$: - at 100 Hz (60250) - at 1 MHz (60250) Dielectric dissipation factor $\tan \delta$: - $\frac{1}{3}$ 100 Hz (60250)	- // //	> 1014
Relative permittivity $\varepsilon_{\rm r}$: - at 100 Hz (60250) - at 1 MHz Dielectric dissipation factor $\tan\delta$: - at 100 Hz (60250)	7 /75	> 1013
- at 1 MHz (60250) Dielectric dissipation factor tan 0; - at 100 Hz (60250)	1	4.4
Dielectric dissipation factor tan 8: - at 100 Hz	/// -	4.2
at 1 MHz (60250)		0.022
	/ _	0.050
\vee		

Note: 1 g/cm3 = 1,000 kg/m3; 1 MPa = 1 N/mm2; 1 kV/mm = 1 MV/m

Availability

Round Rods: Ø 50.80-381.00 mm - Plates: Thicknesses 9.53-50.80 mm - Tubes: 0.D. 42.86-882.65 mm

mm thick test specimens. This table is a valuable help in the choice of a material. The data listed here fall within the normal range of product properties of dry material. However, they are not guaranteed and they should not be used to establish material specification limits nor used alone as the basis of design. It has to be noted that TORLON 5530 PAI is a reinforced, and consequently anisotropic material (properties differ when measured parallel and perpendicular to the compression direction).

All information supplied by or on behalf of Quadrant Engineering Plastic Products in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but

Quadrant Engineering Plastic Products assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, whose quality and other properties he shall verify, or any consequence thereof. No liability whatsoever shall attach to Quadrant Engineering Plastic Products for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information