

Technical Data Sheet FS3200PA

Performance		Value	Unit	Method/Condition
<b>General Properties</b>				
Bulk density		0.45	g/cc	
Particle size distribution	D90	55	μm	
	D50	45	μm	
	D10	20	μm	
Density of parts		0.95	g/cc	
<b>Thermal Properties</b>				
Melting point		183	°C	
Heat Deflection Temperature (HDT)	1.8Mpa	58.2	°C	GB/T 1634.2-2000
	0.45 Mpa	145.8	°C	
<b>Mechanical Properties</b>				
Tensile Strength		48.1	MPa	GB/T 1040.2-2006
Tensile Modulus		1646	MPa	GB/T 1040.2-2006
Elongation at Break		38	%	GB/T 1040.2-2006
Flexural Strength		43.5	MPa	GB/T 1040.2-2006
Flexural Modulus		1431	MPa	GB/T 1040.2-2006
Impact Strength (notched Izod)		3.6	KJ/m <sup>2</sup>	GB/T 1843-2008
Impact Strength (unnotched Izod)		17.8	KJ/m <sup>2</sup>	