

Material Parameters for FP1230

Material Properties		Value	Unit	Research Methods
Average Diameter		36	μm	ISO 13319
Particle Distribution	Small Particles<30μm	5max.	%	ISO 13319
	Coarse Particle>70μm	5max.	%	ISO 13319
Packaging Density		0.55	g/cm ³	ISO 1068-1975
Production Density		1.25	g/cm ³	ISO 1068-1975
Melting Point		183	°C	ISO 11357-3
Heat Distortion Temperature		165	°C	ISO 75f
Heat Distortion Temperature		140	°C	ISO 75f
Tensile Modulus		1800	Mpa	ISO 527-2:93-1B
Tensile Breaking Strength		45	Mpa	ISO 527-2:93-1B
Breaking Elongation		20	%	ISO 527-2:93-1B
Bending Modulus		1500	Mpa	ISO 178 (23°C)
Impact Strength		34	kJ/m ²	ISO 179 1eU (23°C)
Hardness		76		ISO 868 (20°C)

Material properties depend on the processing conditions and the equipments, the above data are for reference only.