

Manufacturer: SHANDONG DAWN POLYMER CO LTD



PBT GRPBT-130 Environmentally friendly enhanced PBT GRPBT-130

Features	Applications
High strength, high heat resistance	Injection molding, Auto parts

Properties	Test Method	Test Condition	Unit	Typical Values
Physical				
Specific Gravity	ISO 1183 : 2012	23°C	g/cm³	1.53
Ash	ISO 3451-1	800°C, 2h	%	30
Mechanical				
Tensile Strength	ISO 527-2 : 2012	10mm/min	MPa	125
Nominal strain at break	ISO 527-2 : 2012	10mm/min	%	3
Flexural Strength	ISO 178 : 2010	2mm/min	MPa	190
Flexural Modulus	ISO 178: 2010	2mm/min	GPa	8.5
Notched Charpy Impact Strength	ISO 180: 2006	23°C	KJ/m²	10
Thermal				
Heat deflection temperature	ISO 75 : 2004	1.80MPa	°C	202
Drying Condition				
Drying temperature			120-140°C	
Drying time			4-6h	
Injection Molding Process				
Injection temperature	Rear		210-220°C	
	Center		220-250°C	
	Front		220-260°C	
Maximum injection temperature			260°C	
Mold temperature			80-120°C	

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