

Manufacturer: SHANDONG DAWN POLYMER CO LTD



Modified PBT 425NP

Features		Applications		
High strength		Injection molding		
Easy to form		Car lamp decorative frames, automobile parts		
Properties	Test Method	Test Condition	Unit	Typical Values
Physical				
Specific Gravity	ISO 1183: 2012	23°C	g/cm³	1.30
Mechanical				
Tensile Strength	ISO 527-2: 2012	50mm/min	MPa	55
Nominal strain at break	ISO 527-2: 2012	50mm/min	%	10
Flexural Strength	ISO 178: 2010	2mm/min	MPa	72
Flexural Modulus	ISO 178: 2010	2mm/min	GPa	2.3
Notched Charpy Impact Strength	ISO 179: 2010	23°C	KJ/m2	3.5
Notched Charpy Impact Strength	ISO 180: 2010	23°C	KJ/m²	4.0
Thermal				
Heat deflection temperature	ISO 75: 2004	0.45.MPa	°C	145
Drying Condition				
Drying temperature		120-140°C		
Drying time		3h-6h		
Injection Molding Process				
Injection temperature	Rear	210-220°C		
	Center	230-250°C		
	Front	240-260°C		
Maximum injection temperature		270°C		
Mold temperature		70-90°C		