

Manufacturer: SHANDONG DAWN POLYMER CO LTD



PBT GN4886 Halogen-free flame retardant reinforced PBT GN4886 Natural color

Features		Applications			
PBT+ GF+ flame retardant		Injection molding, Electrical connectors			
Properties		Test Method	Test Condition	Unit	Test Results
Physical					
Density		ISO 1183	23°C	g/cm³	1.60
Mechanical					
Tensile Strength		ISO 527-2	10mm/min	MPa	115
Flexural Strength		ISO 178	2mm/min	MPa	140
Flexural Modulus		ISO 178	2mm/min	MPa	8000
Notched Izod Impact Strength		ISO 179	23°C	kJ/m²	6.0
Thermal					
Heat deflection temperature		ISO 75	1.8 MPa	°C	200
Flammability					
Vertical Burn		UL94-2006	3.0mm	/	V-0
Comparative Tracking Index		GB/T 4207	≥3mm	V	550
Drying Condition					
Drying temperature				130-150°C	
Drying time				4h-6h	
Injection Molding Process					
Injection temperature		Rear	200-215°C		
		Center	210-220°C		
		Front	220-230°C		
Maximum injection temperature				240°C	
Mold temperature				80-100°C	