

Arnite® TB6 260

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® TB6 260 is a Polybutylene Terephthalate (PBT) material filled with 30% glass bead. It is available in Asia Pacific.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm ³	ISO 1183
Water Absorption (Saturation, 23°C)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	55.0	MPa	
Break	55.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.0	%	
Break	3.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eU
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 12	hr	
Rear Temperature	230 to 240	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	60.0 to 100	°C	
Injection Rate	Moderate-Fast		
Back Pressure	3.00 to 10.0	MPa	
Screw Compression Ratio	2.5:1.0		

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Recommended distributors for this material

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