

Advanced Composites ATX832D

Compounded Polypropylene

Advanced Composites, Inc.

Message:

Advanced Composites ATX832D is a composite polypropylene product, which contains talc filler. It is available in North America. Typical application areas are: automotive industry.

Features include:

Impact modification

scratch resistance

General Information			
Filler / Reinforcement	Talc filler		
Additive	Impact modifier		
Features	Impact modification		
	Scratch resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Flexural Modulus	1940	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact ¹			ASTM D3763
0°C, Total Energy	23.3	J	ASTM D3763
23°C, Total Energy	23.6	J	ASTM D3763
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	204	°C	
Middle Temperature	218	°C	
Front Temperature	218	°C	
Nozzle Temperature	216	°C	
Processing (Melt) Temp	204 - 232	°C	
Mold Temperature	48.9 - 60.0	°C	
Cushion	6.35 - 12.7	mm	
Injection instructions			
Injection Pressure: 10% over max fill pressureHolding Pressure: 50 to 60% of max fill pressureInjection Speed: 1 to 3 inches/secScrew RPM: 1 to 2 secs before mold open			
NOTE			

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