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/cm³	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			

1.	6.60 m/sec

Recommended distributors for this material

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