Advanced Composites ATX904-20

Polypropylene

Advanced Composites, Inc.

Message:

Advanced Composites ATX904-20 is a polypropylene product, which contains 30% talc filler. It is available in North America. Typical application areas are: automotive industry. The main characteristics are: impact modification.

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Uses	Application in Automobile Field		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	13	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	68		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	26.6	MPa	ISO 527-2
Flexural Modulus	2590	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ISO 180
-40°C	2.6	kJ/m²	ISO 180
23°C	18	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/B
1.8 MPa, not annealed	68.4	°C	ISO 75-2/A
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	193	°C	
Middle Temperature	210 - 216	°C	
Front Temperature	216	°C	
Nozzle Temperature	210	°C	
Processing (Melt) Temp	199 - 249	°C	
Mold Temperature	40.0 - 50.0	°C	
Injection Rate	Slow-Moderate		
Cushion	6.35 - 12.7	mm	

Injection instructions

Injection Pressure: 50 to 60% of machine capacityScrew RPM: 1 to 2 secs before mold open

Recommended distributors for this material

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