

Advanced Composites ADX-5028

Polypropylene
Advanced Composites, Inc.

Message:

Advanced Composites ADX-5028 is a polypropylene product, which contains talc filler. It is available in North America. Typical application areas are: automotive industry.
Features include:
High stiffness
soft

General Information			
Filler / Reinforcement	Talc filler		
Features	Rigidity, high ductility		
Uses	Application in Automobile Field		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	57		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.9	MPa	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	8.9	kJ/m ²	ISO 180
23°C	52	kJ/m ²	ISO 180
Instrumented Dart Impact ¹ (-30°C)	34.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	109	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°C	ISO 75-2/A
Additional Information			
Instrumented Dart Impact, ASTM D3763, -30°C, 6.7 m/s, (# Ductile: 30/30): >34 JScratch Resistance, FLTM BN108-13: >15 N			
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0 - 4.0	hr	
Drying Time, Maximum	4.0	hr	
Rear Temperature	190	°C	

Middle Temperature	200	°C
Front Temperature	210	°C
Processing (Melt) Temp	200 - 235	°C
Mold Temperature	40.0 - 60.0	°C
Injection Rate	Slow-Moderate	
Cushion	10.0 - 20.0	mm

Injection instructions

Barrel Temperature, C4: 210C (410°F)

NOTE

1. 6.70 m/sec

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