

Advanced Composites ADX-5016

Compounded Polypropylene
Advanced Composites, Inc.

Message:

Advanced Composites ADX-5016 is a composite polypropylene product. It is available in North America. Typical application areas are: automotive industry.
Features include:
low gloss
high liquidity

General Information			
Features	Gloss, low		
	High liquidity		
Uses	Car interior equipment		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	5.0	kJ/m ²	ISO 180
23°C	25	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, Unannealed)	111	°C	ISO 75-2/B
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	
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. 6.70 m/sec

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