

# Advanced Composites ADX-2001

Polypropylene  
Advanced Composites, Inc.

Message:

Advanced Composites ADX-2001 is a polypropylene product. It is available in North America. Typical application areas are: automotive industry.  
Features include:  
high liquidity  
Impact resistance

General Information			
Features	Impact resistance, high		
	High liquidity		
Uses	Automotive exterior parts		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	23	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.9	MPa	ISO 527-2
Flexural Modulus	1820	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-40°C	6.5	kJ/m <sup>2</sup>	ISO 180
23°C	36	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	107	°C	ISO 75-2/B
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

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#### Recommended distributors for this material

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