

# Advanced Composites ADX-5007

Compounded Polypropylene  
Advanced Composites, Inc.

Message:

Advanced Composites ADX-5007 is a composite polypropylene product, which contains talc filler. It is available in North America.  
Features include:  
Impact resistance  
scratch resistance

General Information			
Filler / Reinforcement	Talc filler		
Features	Impact resistance, high		
	Scratch resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.90 - 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.1	MPa	ASTM D638
Flexural Modulus	2120	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	39	J/m	ASTM D256
23°C	480	J/m	ASTM D256
Instrumented Dart Impact <sup>1</sup> (-30°C, Total Energy)	20.5	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	127	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	< 2.0	hr	
Rear Temperature	193	°C	
Middle Temperature	210	°C	
Front Temperature	216	°C	
Nozzle Temperature	210	°C	
Processing (Melt) Temp	193 - 249	°C	

Mold Temperature	48.9 - 60.0	°C
Injection Rate	Slow-Moderate	
Cushion	6.35 - 12.7	mm

#### Injection instructions

Injection Pressure: The preferred range is 50 to 60% of machine capacity

#### NOTE

1. 6.70 m/sec

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT