Advanced Composites ADX-5017

Compounded Polypropylene Advanced Composites, Inc.



Technical Data

Product Description

Advanced Composites ADX-5017 is a Compounded Polypropylene product filled with talc. It is available in North America. Typical application: Automotive.

Characteristics include:

- High Flow
- Impact Modified
- Impact Resistant
- · Scratch Resistant

General

Material Status	Commercial: Active
Literature ¹	 PP/TPO Processing & Troubleshooting (English) Processing (English) Technical Datasheet (English)
Availability	North America
Filler / Reinforcement	• Talc
Additive	Impact Modifier
Features	 Good Scratch Resistance High Flow High Impact Resistance Impact Modified
Forms	Pellets

Physical	Nominal Value Unit	Test Method
Density	1.04 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28 g/10 min	ISO 1133
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Yield)	22.0 MPa	ISO 527-2
Flexural Modulus	2020 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength		ISO 180
-40°C	6.0 kJ/m ²	
23°C	30 kJ/m ²	
Instrumented Dart Impact ³ (-30°C)	37.2 J	ASTM D3763
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	61	ISO 868
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/B
0.45 MPa, Unannealed	118 °C	
Additional Information		

Additional Information

Instrumented Dart Impact, ASTM D3763, -30°C, 6.7 m/s, (# Ductile: 30/30): >37.2 J Scratch Resistance, FLTM BN108-13: >15 N

Injection	Nominal Value Unit
Drying Temperature	100 °C
Drying Time	2.0 to 4.0 hr
Rear Temperature	204 °C
Middle Temperature	218 °C
Front Temperature	218 °C

¹ of 2

UL LLC ©2024. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 |www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content. Form No. TDS-104722-en Document Created: Saturday, June 29, 2024 Added to Prospector: August 2007 Last Updated: 9/29/2023

Advanced Composites ADX-5017

Compounded Polypropylene

Advanced Composites, Inc.



Nominal Value Unit	
216 °C	
204 to 232 °C	
49 to 60 °C	
6.35 to 12.7 mm	
	216 °C 204 to 232 °C 49 to 60 °C

Injection Pressure: 10% over max fill pressure Holding Pressure: 50 to 60% of max fill pressure Injection Speed: 1 to 3 inches/sec Screw RPM: 1 to 2 secs before mold open

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 6.70 m/sec



2 of 2

UL LLC ©2024. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 |www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content. Form No. TDS-104722-en Document Created: Saturday, June 29, 2024 Added to Prospector: August 2007 Last Updated: 9/29/2023