

Arkema Group Appryl® CZT 1030 Polypropylene, 30% Talc/Mica Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Talc Filler

Material Notes:

Compound of a PP copolymer modified with EPR and 30% of a mixture of talc and mica. This grade has been specially developed for exterior automotive applications, that required an excellent thermal dimensional stability associated with a high modulus. It has a good paintability. Main application is rear and front panels.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Appryl-CZT-1030-Polypropylene-30-TalcMica-Filled.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	
Melt Flow	12 g/10 min	12 g/10 min	
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	50 mm/min
Elongation at Break	7.0 %	7.0 %	Nominal Strain; 50 mm/min
Elongation at Yield	3.0 %	3.0 %	50 mm/min
Tensile Modulus	2.70 GPa	392 ksi	1 mm/min
Charpy Impact Unnotched	4.60 J/cm ²	21.9 ft-lb/in ²	
	1.90 J/cm ² @Temperature -30.0 °C	9.04 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	1.10 J/cm ²	5.24 ft-lb/in ²	
	0.260 J/cm ² @Temperature -30.0 °C	1.24 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	163 °C	325 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	108 °C	226 °F	
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	
Vicat Softening Point	52.0 °C	126 °F	50°C/hr; 50N

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