

Arkema Group Appryl® CWE 1020 Polypropylene, 20% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

Compound of a PP copolymer and 20% aesthetic talc. This grade has been specially developed for interior trim automotive applications, that required an excellent scratch resistance associated with a high modulus. It is UV stabilized. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Appryl-CWE-1020-Polypropylene-20-Talc-Filled.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Melt Flow	15 g/10 min	15 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	31.0 MPa	4500 psi	50 mm/min
Elongation at Break	15 %	15 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.5 %	4.5 %	50 mm/min
Tensile Modulus	2.17 GPa	315 ksi	1 mm/min
Charpy Impact, Notched	0.520 J/cm ²	2.47 ft-lb/in ²	
	0.300 J/cm ² @Temperature -30.0 °C	1.43 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)	114 °C	237 °F	
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C	136 °F	
Vicat Softening Point	93.0 °C	199 °F	50°C/hr; 50N

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