

## Arkema Group Appryl® CZU 0525 Polypropylene, 25% Talc Filled

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

### Material Notes:

Compound of a PP copolymer modified with EPR and 25% talc. This grade has been specially developed for exterior trim automotive applications, that required an excellent impact test associated with a high modulus. It is UV stabilized and has a good paintability. Main application is side panels. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Appryl-CZU-0525-Polypropylene-25-Talc-Filled.php](http://www.lookpolymers.com/polymer_Arkema-Group-Appryl-CZU-0525-Polypropylene-25-Talc-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	
Melt Flow	7.0 g/10 min	7.0 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	26 %	26 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.0 %	4.0 %	50 mm/min
Tensile Modulus	1.92 GPa	278 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	
	0.360 J/cm <sup>2</sup> @Temperature -30.0 °C	1.71 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	161 °C	322 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C	136 °F	
Vicat Softening Point	52.0 °C	126 °F	50°C/hr; 50N

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