

Arkema Group Appryl® 7280 Polypropylene - Polyethylene Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

PP/PE copolymer colored directly or during the injection molding process. This grade with a very good impact test at low temperature, has been developed for bumpers applications for the automotive industry. 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-7280-Polypropylene-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.5 MPa	2540 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	6.0 %	6.0 %	50 mm/min
Tensile Modulus	0.905 GPa	131 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	5.80 J/cm ²	27.6 ft-lb/in ²	Partial Break
	0.640 J/cm ² @Temperature -30.0 °C	3.05 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)	80.0 °C	176 °F	
Deflection Temperature at 1.8 MPa (264 psi)	43.0 °C	109 °F	
Vicat Softening Point	50.0 °C	122 °F	50°C/hr; 50N

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