

**Arkema Group Appryl® 3120 MU 5 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, has been developed for interior trim automotive applications. 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-3120-MU-5-Polypropylene-Polyethylene-Copolymer.php](http://www.lookpolymers.com/polymer_Arkema-Group-Appryl-3120-MU-5-Polypropylene-Polyethylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.5 MPa	3550 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	7.0 %	7.0 %	50 mm/min
Tensile Modulus	1.18 GPa	171 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	0.750 J/cm <sup>2</sup>	3.57 ft-lb/in <sup>2</sup>	
	0.360 J/cm <sup>2</sup>	1.71 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	163 °C	325 °F	10°C/min
Deflection Temperature at 1.8 MPa (264 psi)	46.0 °C	115 °F	
Vicat Softening Point	71.0 °C	160 °F	50°C/hr; 50N

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