

LG Chemical SEETEC R1610 Polypropylene Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Features: SEETEC R1610 is a highly transparent ethylene-propylene random copolymer for injection molding applications. SEETEC R1610 exhibits an excellent transparency and a good impact strength. SEETEC R1610 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. Applications: Food Containers, Housewares, Syringes CAS No. 9010-79-1 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-R1610-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 Å°C	20 g/10 min @Load 4.76 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	28.4 MPa	4120 psi	50mm/min; ASTM D638
Elongation at Break	<= 500 %	<= 500 %	50mm/min; ASTM D638
Flexural Modulus	1.18 GPa	171 ksi	ASTM D760
Izod Impact, Notched	0.539 J/cm @Temperature 23.0 Å°C	1.01 ft-lb/in @Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	130 - 170 Å°C	266 - 338 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	88.0 Å°C	190 Å°F	ASTM D648
Vicat Softening Point	135 Å°C @Load 1.00 kg	275 Å°F @Load 2.20 lb	ASTM D1525
Flash Point	>= 340 Å°C	>= 644 Å°F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Autoignition Temperature	>350Â°C	

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