

LG Chemical SEETEC M1425 Polypropylene Impact Copolymer

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

Material Notes:

Features: SEETEC M1425 is a heterophasic polypropylene copolymer for injection molding applications. SEETEC M1425 exhibits a very high stiffness and a good impact strength. SEETEC M1425 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. Applications: Battery Cases, Out door Chairs, Automotive Parts, Housewares 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-M1425-Polypropylene-Impact-Copolymer.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	27.5 MPa	3980 psi	50mm/min; ASTM D638
Elongation at Break	>= 200 %	>= 200 %	50mm/min; ASTM D638
Flexural Modulus	1.77 GPa	256 ksi	ASTM D760
Izod Impact, Notched	0.883 J/cm @Temperature 23.0 Â°C	1.65 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	130 - 170 Â°C	266 - 338 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	130 Â°C	266 Â°F	ASTM D648
Vicat Softening Point	155 Â°C @Load 1.00 kg	311 Â°F @Load 2.20 lb	ASTM D1525
Flash Point	>= 340 Â°C	>= 644 Â°F	

Descriptive Properties	Value	Comments
Autoignition Temperature	>350Â°C	

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