

LG Chemical SEETEC M1600 Polypropylene Impact Copolymer

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

Material Notes:

Features: SEETEC M1600 is a heterophasic polypropylene copolymer for injection molding applications. SEETEC M1600 exhibits a high flowability and a good balance of stiffness and impact strength. SEETEC M1600 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.Applications: Washing Machine Parts (Tub), Automotive Parts, Housewares CAS No. 9010-79-1Information provided by LG Chemical

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 Â°C	25 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	26.5 MPa	3840 psi	50mm/min; ASTM D638
Elongation at Break	>= 100%	>= 100 %	50mm/min; ASTM D638
Flexural Modulus	1.23 GPa	178 ksi	ASTM D760
Izod Impact, Notched	0.686 J/cm @Temperature 23.0 Â°C	1.29 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)	105 Â°C	221 Â°F	ASTM D648
Vicat Softening Point	152 Â°C @Load 1.00 kg	306 Â°F @Load 2.20 lb	ASTM D1525
Flash Point	>= 340 Â°C	>= 644 Â°F	

Descriptive Properties	Value	Comments
Autoignition Temperature	>350Â°C	