

LG Chemical SEETEC M1315 Polypropylene Impact Copolymer

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

Material Notes:

Features: SEETEC M1315 is a heterophasic polypropylene copolymer for compression molding caps, especially SACMI machines. SEETEC M1315 exhibits an excellent stiffness, a high impact strength, a high productivity and a good processability. SEETEC M1315 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. Applications: Bottle Caps and Closures 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-M1315-Polypropylene-Impact-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Specific Gravity | 0.900 g/cc | 0.900 g/cc | ASTM D1505 |
| Melt Flow | 6.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 6.0 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------------|---------------------------------------|---------------------|
| Hardness, Rockwell R | 105 | 105 | ASTM D785 |
| Tensile Strength, Yield | 30.4 MPa | 4410 psi | 50mm/min; ASTM D638 |
| Flexural Modulus | 1.72 GPa | 249 ksi | ASTM D760 |
| Izod Impact, Notched | 0.785 J/cm @Temperature 23.0 °C | 1.47 ft-lb/in @Temperature 73.4 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|-------------------------|-------------------------|------------|
| Melting Point | 130 - 170 °C | 266 - 338 °F | |
| Deflection Temperature at 0.46 MPa (66 psi) | 120 °C | 248 °F | ASTM D648 |
| Vicat Softening Point | 154 °C @Load 1.00 kg | 309 °F @Load 2.20 lb | ASTM D1525 |
| Flash Point | >= 340 °C | >= 644 °F | |

| Descriptive Properties | Value | Comments |
|--------------------------|--------|----------|
| Autoignition Temperature | >350°C | |

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