

LG Chemical SEETEC H7411 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Features: Seetec H7411 is designed for the extrusion of continuous filament (CF) and staple fibers. This grade is characterized by high tenacity from narrow molecular weight distribution (MWD) and UV stability. This allows competition against polyester and nylon in several applications. SEETEC H7411 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. **Applications:** high tenacity yarn, geotextiles CAS No. 9003-07-0 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-H7411-Polypropylene-Homopolymer.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	100	100	ASTM D785
Tensile Strength, Yield	34.3 MPa	4980 psi	50mm/min; ASTM D638
Elongation at Break	<= 500 %	<= 500 %	50mm/min; ASTM D638
Flexural Modulus	1.47 GPa	213 ksi	ASTM D760
Izod Impact, Notched	0.245 J/cm @Temperature 23.0 Â°C	0.459 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	140 - 170 Â°C	284 - 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	

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