

LG Chemical SEETEC H5300 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Features: Seetec H5300 is designed for the extrusion of textile yarn and monofilaments. This grade is characterized by good processability and stretchability. SEETEC H5300 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. Applications: Woven fabric, carpet backing, rope, split yarn 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-H5300-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow	3.5 g/10 min	3.5 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

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	0.294 J/cm	0.551 ft-lb/in	ASTM D256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	140 - 170 Â°C	284 - 338 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	104 Â°C	219 Â°F	ASTM D648
Vicat Softening Point	152 Â°C	306 Â°F	ASTM D1525
	@Load 1.00 kg	@Load 2.20 lb	
Flash Point	>= 340 Â°C	>= 644 Â°F	

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