

LG Chemical SEETEC SF316 Linear Low Density Polyethylene, Blown Film Grade

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

Material Notes:

Features: Characteristics- Good tensile & tear strength, High clarity, mechanical strength & sealing properties. Additives- Medium slip agent, Medium antiblocking agent
Applications: Agricultural & industrial film
CAS No. 25087-34-7
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-SF316-Linear-Low-Density-Polyethylene-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 - 0.922 g/cc	0.918 - 0.922 g/cc	ASTM D1505
Melt Flow	0.80 - 1.2 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 - 1.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	36.3 MPa	5260 psi	50 mm/min; ASTM D638
Film Elongation at Break, MD	680 %	680 %	ASTM D882
Film Elongation at Break, TD	800 %	800 %	ASTM D882
Elongation at Break	850 %	850 %	50mm/min; ASTM D638
Elmendorf Tear Strength MD	12 g	12 g	ASTM D1922
Elmendorf Tear Strength TD	25 g	25 g	ASTM D1922
Dart Drop Test	370 g	0.816 lb	ASTM D1709
Film Tensile Strength at Break, MD	47.1 MPa	6830 psi	Ultimate; ASTM D882
Film Tensile Strength at Break, TD	44.1 MPa	6400 psi	Ultimate; ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	103 °C	217 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003
Gloss	92 %	92 %	45°; ASTM D2457

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