

LG Chemical SEETEC ST508 Linear Low Density Polyethylene, Cast Film Grade

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

Material Notes:

Features: Characteristics- Excellent puncture resistance, tear strength. Excellent sealing and optical properties. Comonomer: Octene-1.

Additives- Medium slip agent, Medium antiblocking agent Applications: Stretch wrap, food wrap, Diaper CAS No. 26221-73-8 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-ST508-Linear-Low-Density-Polyethylene-Cast-Film-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.912 - 0.916 g/cc	0.912 - 0.916 g/cc	ASTM D1505
Melt Flow	3.8 - 5.0 g/10 min @Load 2.16 kg, Temperature 190 Å°C	3.8 - 5.0 g/10 min @Load 4.76 lb, Temperature 374 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	630 %	630 %	ASTM D882
Film Elongation at Break, TD	720 %	720 %	ASTM D882
Elmendorf Tear Strength MD	26 g	26 g	ASTM D1922
Elmendorf Tear Strength TD	25 g	25 g	ASTM D1922
Dart Drop Test	350 g	0.772 lb	ASTM D1709
Film Tensile Strength at Break, MD	31.4 MPa	4550 psi	Ultimate; ASTM D882
Film Tensile Strength at Break, TD	32.4 MPa	4700 psi	Ultimate; ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	93.0 Å°C	199 Å°F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	0.80 %	0.80 %	ASTM D1003
Gloss	155 %	155 %	45Å°; ASTM D2457

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