

LG Chemical SEETEC EF221 Ethylene Vinyl Acetate

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Characteristics: Good Mechanical Properties and Good Optical Properties Additives: Antiblocking agent, Slip Agent Applications:

Agricultural Film CAS No. 24937-78-8 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-EF221-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.924 - 0.928 g/cc	0.924 - 0.928 g/cc	ASTM D1505
Melt Flow	0.50 - 0.70 g/10 min @Load 2.61 kg, Temperature 190 Â°C	0.50 - 0.70 g/10 min @Load 5.75 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	17.7 MPa	2560 psi	500mm/min; ASTM D638
Film Elongation at Break, MD	400 %	400 %	500 mm/min; ASTM D638
Film Elongation at Break, TD	650 %	650 %	500 mm/min; ASTM D638
Elongation at Break	700 %	700 %	500 mm/min; ASTM D638
2% Secant Modulus	1.05 GPa	152 ksi	500mm/min; ASTM D638
Elmendorf Tear Strength MD	350 g	350 g	ASTM D1922
Elmendorf Tear Strength TD	250 g	250 g	ASTM D1922
Dart Drop Test	250 g	0.551 lb	ASTM D1709
Film Tensile Strength at Break, MD	31.4 MPa	4550 psi	500mm/min, Ultimate; ASTM D638
Film Tensile Strength at Break, TD	29.4 MPa	4260 psi	500mm/min, Ultimate; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	103 Â°C	217 Â°F	10Â°C/min; ASTM D3418
Vicat Softening Point	94.0 Â°C	201 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	95 %	95 %	45Â°; ASTM D2457

Optical Properties	Metric	English	Comments
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