

LG Chemical SEETEC ES440 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 Applications: Agricultural Film, Shoe soles CSA No. 24937-78-

8 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-ES440-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.933 - 0.938 g/cc	0.933 - 0.938 g/cc	ASTM D1505
Melt Flow	0.30 - 1.7 g/10 min @Load 2.61 kg, Temperature 190 °C	0.30 - 1.7 g/10 min @Load 5.75 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	21.6 MPa	3130 psi	500mm/min; ASTM D638
Film Elongation at Break, MD	400 %	400 %	500 mm/min; ASTM D638
Film Elongation at Break, TD	700 %	700 %	500 mm/min; ASTM D638
Elongation at Break	700 %	700 %	500 mm/min; ASTM D638
2% Secant Modulus	0.350 GPa	50.8 ksi	500mm/min; ASTM D638
Dart Drop Test	>= 400 g	>= 0.882 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	31.4 MPa	4550 psi	500mm/min, Ultimate; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	87.0 °C	189 °F	10°C/min; ASTM D3418
Vicat Softening Point	66.0 °C	151 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	1.8 %	1.8 %	ASTM D1003
Gloss	120 %	120 %	45°; ASTM D2457

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