

SCG Chemicals EL-Pro,ç P602F Polypropylene Film Resin

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Key Characteristics:Excellent optical propertiesHigh productivityRecommended Applications:Water quenched blown film for food and apparel packagingCan be blended with P600 for excellent clarityInformation provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Pro-P602F-Polypropylene-Film-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ASTM D1505
Thickness	25.0 microns	0.984 mil	
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 Â°C	10 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Yield, TD	20.0 MPa	2900 psi	ASTM D882
Film Elongation at Break, MD	850 %	850 %	ASTM D882
Film Elongation at Break, TD	770 %	770 %	ASTM D882
Flexural Modulus	1.67 GPa	242 ksi	ASTM D790
Secant Modulus, MD	0.690 GPa	100 ksi	ASTM D882
Secant Modulus, TD	0.540 GPa	78.3 ksi	ASTM D882
Izod Impact, Notched	0.245 J/cm	0.459 ft-lb/in	ASTM D256
Film Tensile Strength at Break, MD	27.0 MPa	3920 psi	ASTM D882
Film Tensile Strength at Break, TD	26.0 MPa	3770 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	160 Â°C	320 Â°F	ASTM D2117
Deflection Temperature at 0.46 MPa (66 psi)	110 Â°C	230 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	ASTM D648

Vicat Softening Point Thermal Properties	155 Å°C Metric	311 Å°F English	ASTM D1525 Comments
Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM D1003
Gloss	75 %	75 %	ASTM D2457

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