

SCG Chemicals EL-Pro, P702J Polypropylene Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Key Characteristics: High clarity, High stiffness, Good processability, Microwavable for cooking applications, Odorless, Safe for food contact.
Recommended Applications: General purpose injection parts that require high clarity and good dimensional stability such as food containers, toys and closure.
 Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Pro-P702J-Polypropylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ASTM D1505
Linear Mold Shrinkage, Flow	0.015 cm/cm @Thickness 2.00 mm	0.015 in/in @Thickness 0.0787 in	TPE Method
Linear Mold Shrinkage, Transverse	0.014 cm/cm @Thickness 2.00 mm	0.014 in/in @Thickness 0.0787 in	TPE Method
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength at Break	37.0 MPa	5370 psi	ASTM D638
Tensile Strength, Yield	41.2 MPa	5970 psi	ASTM D638
Elongation at Break	150 %	150 %	ASTM D638
Flexural Modulus	1.67 GPa	242 ksi	ASTM D790
Izod Impact, Notched	0.196 J/cm @Temperature 0.000 °C	0.367 ft-lb/in @Temperature 32.0 °F	ASTM D256
	0.343 J/cm @Temperature 23.0 °C	0.643 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	163 °C	325 °F	ASTM D2117

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (264 psi)	115 °C	239 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	67.0 °C	153 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	20 % @Thickness 1.00 mm	20 % @Thickness 0.0394 in	ASTM D1003
Gloss	65 % @Thickness 1.00 mm	65 % @Thickness 0.0394 in	ASTM D2457

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China