EL-Pro™ P851JO

Polypropylene Random Copolymer SCG Chemicals Co., Ltd.

Message:

EL-Pro P851JO is a general random copolymer polypropylene resin which has high clarity, high brightness, good processibility and contains anti-static agent suitable for injection molding process.

Features Highlight Workability, good Workability, bigh Compliance of Food Exposure Production in the production one Definition, high Compliance of Food Exposure Uses Household goods Container Container Food container Forms Particle Processing Method Injection molding Physical Nominal Value Unit Test Method Benisty 0,910 g/cm² ASTM 01505 Molding Shrinkage 20 g/10 min ASTM 01505 Molding Shrinkage 1.3 ASTM 0256 Flow: 2.00mm 1.4 % ASTM 0955 Flow: 2.00mm 1.4 % ASTM 0955 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 80 ASTM 0785 Mechanical Nominal Value Unit Test Method Tensile Strength ¹ ASTM 0785 ASTM 0785 Mechanical Nominal Value Unit Test Method Tensile Elongation ² (Greak) 600 % ASTM 0638	General Information				
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0°C 39 J/m ASTM D256	Impact	Nominal Value	Unit	Test Method	
	Notched Izod Impact			ASTM D256	
23°C 64 J/m ASTM D256	0°C	39	J/m	ASTM D256	
	23°C	64	J/m	ASTM D256	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	100	°C	ASTM D648
1.8 MPa, not annealed	50.0	°C	ASTM D648
Brittleness Temperature	-20.0	°C	ASTM D746
Vicat Softening Temperature	130	°C	ASTM D1525
Melting Temperature	150	°C	ASTM D2117
Flammability	Nominal Value		Test Method
Flame Rating	НВ		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss	84		ASTM D2457
Haze	9.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	25.0 - 70.0	°C	
Injection Rate	Fast		
Screw Speed	40 - 70	rpm	
Injection instructions			
Injection Pressure: 40 to 80% of max.	oressurePacking and Holding Pressi	ure: 30 to 60% of max. pressureB	ack Pressure: 10% of max. pressure
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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