

EL-Pro™ P852J

Polypropylene Copolymer

SCG Chemicals Co., Ltd.

Message:

EL-Pro P852J is a random copolymer polypropylene resin which has high flowability, high clarity and contains anti-static agent suitable for injection molding process.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Pleasing Surface Appearance		
	Recyclable Material		
Uses	Food Packaging		
	Household Goods		
	Packaging		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow			Internal Method
-- ¹	1.3	%	
-- ²	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ³			ASTM D638
Yield	29.4	MPa	
Break	17.7	MPa	
Tensile Elongation ⁴ (Break)	600	%	ASTM D638
Flexural Modulus	1230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	34	J/m	
23°C	54	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed ⁵	90.0	°C	
1.8 MPa, Annealed ⁶	50.0	°C	
Brittleness Temperature	-20.0	°C	ASTM D746
Vicat Softening Temperature	130	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss	80		ASTM D2457
Haze	12	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Melt Temperature	150	°C	ASTM D2117
NOTE			
1.	2mmt. TD		
2.	2mmt, MD		
3.	50 mm/min		
4.	50 mm/min		
5.	4.6 kg/cm ²		
6.	18.5 kg/cm ²		

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