

# EL-Pro™ P443J

Polypropylene Impact Copolymer

SCG Chemicals Co., Ltd.

## Message:

EL-Pro P443J is an impact copolymer polypropylene resin suitable for beverage cap both in carbonated soft drink and hot filled beverage segment. It is particularly for injection molding and continuous compression molding. Mechanical properties are balanced between stiffness and impact resistance.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Impact Copolymer		
Uses	Crates		
	Industrial Applications		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength - Across Flow <sup>1</sup> (Yield)	28.4	MPa	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	78	J/m	
23°C	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 to 270	°C	
NOTE			
1.	50 mm/min		

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#### Recommended distributors for this material

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