

Osterlene® PPC-35-1-C

Polypropylene Random Copolymer

Osterman & Company

Message:

PPC-35-1-C is a polypropylene-ethylene random copolymer designed for use in housewares, consumer products, and thin-wall injection molding applications.

PPC-35-1-C is an excellent choice for outstanding clarity, toughness, faster cycle times and low warpage.

PPC-35-1-C processes easily over a broad range of operating conditions.

PPC-35-1-C meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food."

General Information			
Features	Low warpage		
	Workability, good		
	Fast molding cycle		
	Definition, high		
	Good toughness		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Non-specific food applications		
	Household goods		
	Consumer goods application field		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.8	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (-18°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648

Additional Information

The value shown as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.

Injection	Nominal Value	Unit
Processing (Melt) Temp	210 - 232	°C

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