

Osterlene® PPC-35-1.8-N

Polypropylene Copolymer

Osterman & Company

Message:

PPC-35-1.8-N is a high-flow, high-stiffness, polypropylene copolymer formulated for injection molding applications requiring a fast fill, high stiffness and moderate impact strength.

PPC-35-1.8-N has been specially formulated with a nucleator and mold release for improved cycle times in thin-wall injection molding.

PPC-35-1.8-N meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulations allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply.

General Information			
Additive	Nucleating agent demoulding		
Features	Nucleated Rigidity, high Copolymer Fast molding cycle High liquidity Compliance of Food Exposure Good demoulding performance Medium impact resistance		
Uses	Non-specific food applications		
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
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.3	MPa	ASTM D638
Tensile Elongation (Yield)	4.2	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Unnotched Izod Impact (-18°C)	1200	J/m	ASTM D256
Dart Drop Impact (23°C)	28.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648
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Additional Information

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


Injection	Nominal Value	Unit
Rear Temperature	221	°C
Middle Temperature	232	°C
Front Temperature	243	°C
Nozzle Temperature	243	°C
Mold Temperature	204 - 221	°C

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