

# Osterlene® PPC-.75-NB

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC-.75-NB is a polypropylene nucleated high stiffness and high impact copolymer formulated for extrusion applications such as blow molding, profile, sheet and blown film.

PPC-.75-NB meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply.

PPC-.75-NB offers the benefits of gas-phase technology along with high stiffness and high impact strength.

General Information	
Additive	Nucleating agent
Features	Nucleated
	Rigidity, high
	Impact copolymer
	Impact resistance, high
	Compliance of Food Exposure
Uses	Films
	Blow molding applications
	Non-specific food applications
	Sheet
	Profile
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Film extrusion
	Extrusion
	Extrusion blow molding
	Sheet extrusion molding
	Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.6	MPa	ASTM D638
Tensile Elongation (Yield)	8.9	%	ASTM D638
Flexural Modulus	1340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			ASTM D256
-18°C	110	J/m	ASTM D256
23°C	No Break		ASTM D256
Unnotched Izod Impact (-18°C)			ASTM D256
Dart Drop Impact (-30°C)	44.1	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	89.0	°C	ASTM D648
1.8 MPa, not annealed	56.0	°C	ASTM D648
Additional Information			
The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.			
Extrusion	Nominal Value	Unit	
Melt Temperature	232 - 254	°C	

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