

# Osterlene® PPC20-2NA

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC20-2NA is a medium impact polypropylene copolymer formulated for injection molding applications requiring a balance of medium impact resistance, stiffness and high-flow.

PPC20-2NA contains an anti-static and nucleating agent.

Osterlene PPC20-2NA 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. Contact your Osterman sales representative for more information.

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Rigidity, high		
	Impact copolymer		
	Antistatic property		
	High liquidity		
	Compliance of Food Exposure		
	Medium impact resistance		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.1	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus - 1% Secant	1310	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact	42.0	kJ/m <sup>2</sup>	ASTM D4812
Dart Drop Impact (-18°C)	20.3	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648

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