

Osterlene® PPC-80-1.2-N

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC-80-1.2-N is a medium impact polypropylene copolymer formulated for thin-wall applications requiring a balance of medium impact resistance and high-flow.

PPC-80-1.2-N is heat stabilized for use at elevated temperatures and contains a nucleator and mold release.

PPC-80-1.2-N meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520 for a resin which may be processed for use involving contact with food.

General Information			
Additive	Heat Stabilizer		
	Mold Release		
	Nucleating Agent		
Features	Food Contact Acceptable		
	Good Mold Release		
	Heat Stabilized		
	High Flow		
	Impact Copolymer		
	Medium Impact Resistance		
	Nucleated		
Uses	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.9	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus	124	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (-18°C)	640	J/m	ASTM D4812
Gardner Impact (23°C)	23.7	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	103	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	221	°C	
Middle Temperature	232	°C	
Front Temperature	243	°C	
Nozzle Temperature	243	°C	
Processing (Melt) Temp	221 to 243	°C	

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