

# Osterlene® PPC-20-2.5-A

Polypropylene Impact Copolymer

Osterman & Company

## Message:

PPC-20-2.5-A is a medium impact polypropylene copolymer formulated for injection molding applications requiring a balance of medium impact resistance, stiffness and high-flow.

PPC-20-2.5-A is heat stabilized for use at elevated temperatures and contains an anti-static agent.

PPC-20-2.5-A 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	Antistatic Heat Stabilizer		
Features	Antistatic Food Contact Acceptable Good Stiffness Heat Stabilized High Flow Impact Copolymer Medium Impact Resistance		
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)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ASTM D638
Tensile Strength (Yield)	23.1	MPa	ASTM D638
Tensile Elongation (Yield)	4.8	%	ASTM D638
Flexural Modulus - 1% Secant	1030	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Unnotched Izod Impact (-18°C)	1200	J/m	ASTM D256
Gardner Impact (-18°C)	19.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.9	°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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