

Osterlene® PPC-20-NB

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC-20-NB is a polypropylene super-impact copolymer that offers outstanding impact resistance and is formulated for injection molding applications. This resin is heat-stabilized for use at elevated temperatures.

General Information			
Additive	heat stabilizer		
Features	Impact copolymer		
	Impact resistance, high		
	Thermal Stability		
Forms	Particle		
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)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.3	MPa	ASTM D638
Tensile Elongation (Yield)	4.4	%	ASTM D638
Flexural Modulus	896	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Unnotched Izod Impact (-18°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	73.9	°C	ASTM D648
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	
Processing (Melt) Temp	221 - 243	°C	

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