

# Osterlene® PPC10-SHI

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC10-SHI is a high impact copolymer formulated with antistat and nucleation to excel in injection molding processes. Applications would include injection molding.

Osterlene PPC10-SHI 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			
Features	Impact copolymer		
	Impact resistance, high		
	Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	22.4	MPa	ASTM D638
Tensile Elongation (Yield)	6.7	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1140	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	1.0 mm/min		

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