

Osterlene® PPC30-SHINA

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC30-SHINA is a high impact polypropylene copolymer designed and formulated for injection molding applications. It contains a unique combination of stabilizers, nucleators and antistat that provides an optimum balance of stiffness and cold temperature impact.

PPC30-SHINA exhibits an excellent range of physical and thermodynamic properties which make it an ideal choice for critical applications in the areas of automotive, appliances and lawn and garden.

Osterlene PPC30-SHINA 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 Unspecified stabilizer		
Features	Nucleated Rigidity, high Impact copolymer Antistatic property Impact resistance, high Low temperature impact resistance Compliance of Food Exposure		
Uses	Lawn and Garden Equipment Application in Automobile Field		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	19.3	MPa	ASTM D638
Flexural Modulus - 1% Secant ²	862	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-34°C	43	J/m	ASTM D256
-18°C	59	J/m	ASTM D256
23°C	530	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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