

Osterlene® PPC10-2.1

Polypropylene Impact Copolymer

Osterman & Company

Message:

PPC10-2.1 is a medium impact copolymer polypropylene.

Typical applications for PPC10-2.1 include household items, molding of consumer products, appliances, and lawn and garden products.

Osterlene PPC10-2.1 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		
	Compliance of Food Exposure		
	Medium impact resistance		
Uses	Lawn and Garden Equipment		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.1	MPa	ASTM D638
Tensile Elongation ² (Yield)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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