

# Osterlene® PPH20

Polypropylene Homopolymer

Osterman & Company

## Message:

PPH20 is a polypropylene homopolymer designed for general purpose injection molding applications including closures, small appliances, housewares and toys.

Osterlene PPH20 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	Homopolymer		
	Compliance of Food Exposure		
	General		
Uses	Electrical appliances		
	Household goods		
	General		
	Shell		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
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)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	33.8	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	37.8	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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#### Recommended distributors for this material

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