

Osterlene® PPH20NA

Polypropylene Homopolymer

Osterman & Company

Message:

PPH20NA is a nucleated polypropylene homopolymer with antistat for use in injection molding applications. This resin exhibits good flow characteristics, good mold release properties, excellent rigidity and hardness, fast set-up times, and excellent organoleptics. Typical applications include rigid thin-wall containers, closures, and cutlery. Osterlene PPH20NA 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		
Features	Nucleated		
	Rigidity, high		
	Homopolymer		
	Antistatic property		
	Good liquidity		
	Compliance of Food Exposure		
	Good demoulding performance		
	High hardness		
Uses	Container		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520		
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)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Yield)	20	%	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Dart Drop Impact	1.39	J	ASTM D5420

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	106	°C	ASTM D648

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