

Osterlene® PPR12CL

Polypropylene Random Copolymer

Osterman & Company

Message:

PPR12CL is a medium melt flow random copolymer with fast cycle time and easy mold re lease. It is designed for injection molding applications. Its clarity makes it an excellent choice for "see-through" housewares and rigid packaging.

Osterlene PPR12CL 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	Medium liquidity		
	Compliance of Food Exposure		
	Good demoulding performance		
	Random copolymer		
Uses	Packaging		
	Household goods		
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)	12	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)	30.3	MPa	ASTM D638
Tensile Elongation ¹ (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ²	1070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Dart Drop Impact (23°C)	19.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze	15	%	FTTC 5606
NOTE			
1.	50 mm/min		

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