

# Osterlene® PPR12CLNX

Polypropylene Random Copolymer

Osterman & Company

Message:

PPR12CLNX is a random clarified copolymer specially formulated to achieve high clarity and excellent color and color stability with excellent mold release properties.

Applications for PPR12CLNX includes, injection molding applications such as housewares and clear containers.

Osterlene PPR12CLNX 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	Good color stability		
	Good coloring		
	Definition, high		
	Compliance of Food Exposure		
	Good demoulding performance		
	Random copolymer		
Uses	Household goods		
	Container		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	28.8	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1140	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	81.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (508 µm, injection molding)	10	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	1.0 mm/min		

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