

# Premier PR120

Polypropylene Random Copolymer

Premier Polymers, LLC.

## Message:

Premier PR120 is a random copolymer designed for rigid injection molding applications with moderate clarity. Meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and omponents of articles intended for direct food contact.

General Information			
Features	Food Contact Acceptable		
	High Rigidity		
	Medium Clarity		
	Random Copolymer		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
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)	30.3	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	1070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Gardner Impact (23°C)	19.2	J	ASTM D2794
Optical	Nominal Value	Unit	Test Method
Haze	15	%	FTTC 5606
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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