

Premier PR023

Polypropylene Random Copolymer

Premier Polymers, LLC.

Message:

Premier PR023 is a low melt flow random polypropylene suitable for extrusion and thermoforming applications requiring clarity and processability. 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 components of articles intended for direct food contact.

General Information	
Features	Food Contact Acceptable
	Good Processability
	High Clarity
	Low Flow
	Random Copolymer
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	29.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ³	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Optical	Nominal Value	Unit	Test Method
Haze	12	%	FTTC 5606

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min

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