

FHR Polypropylene 13T10Acs279

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

Random Copolymer

FEATURES:

Excellent clarity blush resistant, good impact resistance and good flexural modulus. Product does not contain animal derived components.

APPLICATIONS:

Injection Molding: Lab ware, food packaging and kitchenware.

REGULATORY:

FDA - 21 CFR 177.1520 (c) 3.1a

USP Class VI certified

This product is not recommended for autoclave sterilization processes in the presence of aqueous solutions.

General Information			
Features	Blush Resistant		
	Good Impact Resistance		
	High Clarity		
	Random Copolymer		
Uses	Food Packaging		
	Kitchenware		
	Labware		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1210	MPa	ASTM D638
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (635 μm)	< 10	%	ASTM D1003

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