

FHR Polypropylene 13T25A

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer

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

APPLICATIONS: Injection Molded: Lab ware, food packaging, and medical. Suitable for autoclave sterilization processes in the presence of aqueous solutions.

General Information			
Features	Anti-whiteness Pressure cooker disinfection Definition, high Compliance of Food Exposure No kinetic components Random copolymer		
Uses	Laboratory apparatus Food packaging Medical/nursing supplies		
Agency Ratings	DMF not rated FDA 21 CFR 177.1520(c) 3.1a ISO 10993 Part 5 USP Class VI		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant	977	MPa	ASTM D790
Tangent	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	86.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (635 μm)	3.7	%	ASTM D1003

Additional Information

Notice regarding medical applications: This Flint Hills product meets certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this Flint Hills product is safe, lawful and technically suitable for the intended use. Flint Hills encourages its customers to review their application with a Flint Hills technical representative to ensure that this product is not used in ways for which it was not intended or tested. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application. Not intended for use in the manufacture of any form of implanted medical or surgical device.

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