

FHR Polypropylene P5M6K-048

Flint Hills Resources, LP - Polypropylene Random Copolymer

Monday, August 31, 2015

General Information						
Product Description						
DESCRIPTION: Random Copolymer						
FEATURES: Excellent clarity and process	O .		ed components. Phthalate-	free.		
APPLICATIONS: Injection molding: high of	clarity parts and medical device	3 S				
General						
Material Status	 Commercial: Active 					
Regional Availability	 North America 					
Features	Good ProcessabilityHigh Clarity	 No Animal Derived Components Non-Phthalate Plasticizer 				
Uses	Medical/Healthcare Appli	Medical/Healthcare Applications Transparent or Translucent Parts				
Agency Ratings	DMF Unspecified Rating	• F[DA 21 CFR 177.1520(c) 3.1	a • USP	Class VI	
RoHS Compliance	Contact Manufacturer					
Forms	• Pellets					
Processing Method	Injection Molding					
	ASTM & IS	O Proper	rties ¹			
Physical	Typical Value	(English)	Typical Value	(SI)	Test Method	
Density	0.900	g/cm³	0.900	g/cm³	ASTM D1505	
Melt Mass-Flow Rate (MFR) (230°C/2.16	kg) 35	g/10 min	35	g/10 min	ASTM D1238	
Mechanical	Typical Value	(English)	Typical Value	(SI)	Test Method	
Tensile Strength (Yield)	3930	psi	27.1	MPa	ASTM D638	
Tensile Elongation (Yield)	11	%	11	%	ASTM D638	
Flexural Modulus - Tangent	152000	psi	1050	MPa	ASTM D790	
Impact	Typical Value	(English)	Typical Value	(SI)	Test Method	
Notched Izod Impact (73°F (23°C))	1.2	ft·lb/in	63	J/m	ASTM D256	
Gardner Impact (73°F (23°C))	320	in·lb	36.2	J	ASTM D5420	
Hardness	Typical Value	(English)	Typical Value	(SI)	Test Method	
Rockwell Hardness (R-Scale)	90		90		ASTM D785	
Thermal	Typical Value	(English)	Typical Value	(SI)	Test Method	
Deflection Temperature Under Load					ASTM D648	
66 psi (0.45 MPa), Unannealed	183	°F	84.0	°C		
Flammability	Typical Value	(English)	Typical Value	(SI)	Test Method	

Additional Information

Flame Rating

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.

ΗВ

UL 94

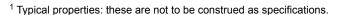
ΗВ

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

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