

# FHR Polypropylene P5L2K-055

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

FHR Polypropylene P5L2K-055 is a polypropylene random copolymer (PP random copolymer) product. It can be processed by extrusion blow molding, stretch blow molding, injection blow molding or injection molding, and is available in North America. The application fields of FHR Polypropylene P5L2K-055 include containers, food contact applications and medical/health care.

Features include:

Copolymer

Transparency

General Information			
Features	Definition, high		
	No kinetic components		
	Random copolymer		
Uses	Container		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
	USP Class VI		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Extrusion blow molding		
	Stretch blow molding		
	Injection blowing molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	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)	36.0	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant	1270	MPa	ASTM D790
Tangent	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Dart Drop Impact (-30°C)	1.00	J	ASTM D5420

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	89.0	°C	ASTM D648
Additional Information			

This product is not recommended for autoclave sterilization processes in the presence of aqueous solutions. 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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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

