

FHR Polypropylene 23H2A

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer
FEATURES: Excellent clarity. Product does not contain any animal derived components.
APPLICATIONS: Designed for Blow molding and Thermoforming: A replacement for PET, PS and PC high clarity applications.

General Information			
Features	High Purity		
	No Animal Derived Components		
	Random Copolymer		
Uses	Blow Molding Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Blow Molding		
	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)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.4	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1130	MPa	
Tangent	1200	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	84.6	°C	ASTM D648

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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

