

# FHR Polypropylene 23T2A

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer  
FEATURES: Clarified, autoclavable and good impact strength. Product does not contain any animal derived components.  
APPLICATIONS: Designed for Blow molding and Thermoforming.

General Information			
Features	Good Impact Resistance		
	Medium Clarity		
	No Animal Derived Components		
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 <sup>3</sup>	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)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.1	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1060	MPa	
Tangent	1130	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

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