

FHR Polypropylene P9R6K-054A

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer
FEATURES: Excellent clarity. High flow material. Produced without animal derived components or phthalates.
APPLICATIONS: Injection molding: High clarity applications. A replacement for PET, PS and PC high clarity applications.
REGULATORY
FDA - 21 CFR 177.1520 (c) 3.1a

General Information			
Features	High Clarity		
	High Flow		
	No Animal Derived Components		
	Non-Phthalate Plasticizer		
	Random Copolymer		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	919	MPa	
Tangent	972	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	79	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze			ASTM D1003
635 µm	2.8	%	
1270 µm	5.8	%	

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Recommended distributors for this material

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