

# FHR Polypropylene P5M4T-013

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer  
FEATURES: Good contact clarity and Antistat. Produced without animal derived components or phthalates.  
APPLICATIONS: Injection Molding: Rigid packaging, housewares and medical devices  
REGULATORY:  
FDA - 21 CFR 177.1520 (c) 3.1a  
UL Certified 94HB

General Information			
UL YellowCard	E336707-100613165		
Additive	Antistatic		
Features	Antistatic		
	Contact Clarity		
	No Animal Derived Components		
	Random Copolymer		
Uses	Household Goods		
	Medical/Healthcare Applications		
	Rigid Packaging		
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/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant	786	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Gardner Impact (23°C)	> 36.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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#### Recommended distributors for this material

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