

# FHR Polypropylene P4G4K-038

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

This product is not recommended for autoclave sterilization processes in the presence of aqueous solutions.

General Information			
UL YellowCard	E336707-100613160		
Additive	Antistatic property		
Features	Rigid, good		
	Homopolymer		
	Antistatic property		
	Definition, high		
	No kinetic components		
Uses	Kitchen utensils		
	Household goods		
	Subcutaneous syringe parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
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)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.0	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant	1620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Dart Drop Impact (23°C)	1.00	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

#### Additional Information

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#### Recommended distributors for this material

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