

FHR Polypropylene P5M6N-058A

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer
FEATURES: Excellent processability, nucleated and antistat. Produced without animal derived components or phthalates.
APPLICATIONS: Injection Molding: consumer disposable items
REGULATORY:
FDA - 21 CFR 177.1520 (c) 3.1a.
USP Class VI certified
UL certified 94HB

General Information			
UL YellowCard	E336707-100613167		
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Disposable		
	Good Processability		
	No Animal Derived Components		
	Nucleated		
	Random Copolymer		
Uses	Consumer Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	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)	89		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	980	MPa	

Tangent	990	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	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)	91.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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