

FHR Polypropylene P4C6B-134A

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Homopolymer
FEATURES: Excellent processability, nucleated and antistat. Produced without animal derived components or phthalates.
APPLICATIONS: Injection Molding: Cutlery, Consumer Products, Cosmetic Packaging, Caps and Closures
REGULATORY
FDA - 21 CFR 177.1520 (c) 1.1a.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Processability		
	Homopolymer		
	No Animal Derived Components		
	Nucleated		
Uses	Caps		
	Closures		
	Consumer Applications		
	Cosmetic Packaging		
	Disposable Tableware		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
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)	112		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	1590	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256

Gardner Impact (23°C)	6.00	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	111	°C	ASTM D648

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