

FHR Polypropylene P4C5B-181B

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Homopolymer
FEATURES: Nucleated and Antistat. Produced without animal derived components or phthalates.
APPLICATIONS: Injection Molding: Closures and cutlery
REGULATORY:
FDA - 21 CFR 177.1520 (c) 1.1a.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Homopolymer		
	No Animal Derived Components		
	Non-Phthalate Plasticizer		
	Nucleated		
Uses	Closures		
	Table Products		
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)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1630	MPa	
Tangent	1730	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Gardner Impact (23°C)	0.00	J	ASTM D5420

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	121	°C	ASTM D648

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