

FHR Polypropylene P4G3B-146

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

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

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	General Purpose		
	Homopolymer		
	Nucleated		
Uses	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
RoHS Compliance	Contact Manufacturer		
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)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.0	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)	40	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)	116	°C	ASTM D648

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