

FHR Polypropylene P4C6B-194

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

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

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Homopolymer		
	No Animal Derived Components		
	Nucleated		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
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)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1400	MPa	
Tangent	1480	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	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)	109	°C	ASTM D648

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