

FHR Polypropylene P4G3Z-050F

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Homopolymer

FEATURES: Low Water Carry-over, good film quality. Produced without animal derived components or phthalates.

APPLICATIONS: Extrusion: cast film

REGULATORY:

FDA - 21 CFR 177.1520 (c) 1.1a

General Information			
Features	Homopolymer Low Water Carryover No Animal Derived Components		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
RoHS Compliance	Contact Manufacturer		
Processing Method	Cast Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1520	MPa	
Tangent	1620	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Gardner Impact (23°C)	11.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	101	°C	ASTM D648

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