

FHR Polypropylene P4G2Z-026

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Homopolymer
FEATURES: Low Water Carry-over. Produced without animal derived components or phthalates.
APPLICATIONS: Extrusion: Tape and Strapping
REGULATORY:
FDA - 21 CFR 177.1520 (c) 1.1a.
UL Certified 94 HB
Drug Master File listed
USP Class VI certified

General Information			
UL YellowCard	E336707-100613153		
Features	Homopolymer		
	Low Water Carryover		
	No Animal Derived Components		
Uses	Strapping		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
	UL 94		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Processing Method	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)	1.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Gardner Impact (23°C)	13.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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