

FHR Polypropylene P5C4K-089

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer
FEATURES: Good Clarity. Produced without animal derived components or phthalates.
APPLICATIONS: Cast Film
REGULATORY:
FDA - 21 CFR 177.1520(c) 3.1a

General Information			
Features	Food Contact Acceptable		
	High Clarity		
	No Animal Derived Components		
	Non-Phthalate Plasticizer		
	Random Copolymer		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	930	MPa	
Tangent	970	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Gardner Impact (23°C)	> 36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	89.0	°C	ASTM D648

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