

FHR Polypropylene P4G4K-205

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Homopolymer
FEATURES: Clarified material. Produced without animal derived components or phthalates.
APPLICATIONS: Cast Film
REGULATORY:
FDA - 21 CFR 177.1520(c) 1.1a

General Information			
Additive	Clarifier		
Features	Food Contact Acceptable		
	Homopolymer		
	No Animal Derived Components		
	Non-Phthalate Plasticizer		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
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)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant	1740	MPa	
Tangent	1810	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Gardner Impact (23°C)	1.40	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	117	°C	ASTM D648

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Recommended distributors for this material

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