

FHR Polypropylene 21N2A

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Homopolymer, FDA compliant.
FEATURES: High Flexural modulus and High Heat Deflection temperature
APPLICATIONS: Thermoforming, Extrusion, Blow Molding
Regulatory:
FDA - 21 CFR 177.1520 (c) 1.1a.
Drug Master File listed
USP Class VI certified

General Information	
Features	Good Stiffness
	High Heat Resistance
	Homopolymer
Uses	Blow Molding Applications
	Thermoforming Applications
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1
	USP Class VI
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.3	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)	40.3	MPa	ASTM D638
Tensile Elongation (Yield)	4.6	%	ASTM D638
Flexural Modulus - Tangent	2250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	22	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

133

°C

ASTM D648

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