

FHR Polypropylene 13R9A

Polypropylene Random Copolymer

Flint Hills Resources, LP



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Technical Data

Product Description

FEATURES: Radiation resistant and good contact clarity. Autoclavable. Product does not contain animal derived components.

APPLICATIONS: Injection Molding: Radiation sterilizable medical devices and lab ware

General

Material Status	• Commercial: Active
Literature ¹	• Processing - Flint Hills Polypropylene (English) • Technical Datasheet (English)
Search for UL Yellow Card	• Flint Hills Resources, LP
Availability	• North America
Features	• Contact Clarity • No Animal Derived Components • Radiation (Gamma) Resistant • Radiation Sterilizable • Random Copolymer
Uses	• Labware • Medical/Healthcare Applications
Agency Ratings	• DMF Unspecified Rating • FDA 21 CFR 177.1520(c) 3.1a • ISO 10993 Part 5 • USP 661 • USP 85 • USP 88 • USP Class VI
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	0.902	0.900 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0 g/10 min	9.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	160000 psi	1110 MPa	ASTM D638
Tensile Strength (Yield)	4060 psi	28.0 MPa	ASTM D638
Tensile Elongation (Break)	> 700 %	> 700 %	ASTM D638
Flexural Modulus	140000 psi	965 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.1 ft·lb/in	60 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	90	90	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	194 °F	90.0 °C	ASTM D648

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

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Flint Hills Resources, LP

Where to Buy

Supplier

Flint Hills Resources, LP

Wichita, KS USA

Telephone: 800-985-7303

Web: <http://www.fhr.com/>

Distributor

Nexeo Solutions

Telephone: 888-594-6009

Web: <http://www.nexeosolutions.com/>

Availability: North America

PolyOne Distribution

PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.

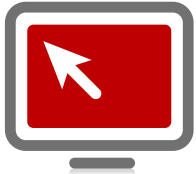
Telephone: 800-894-4266

Web: <http://polyonedistribution.com/>

Availability: Global



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– Kevin Chase, Owner & President, Chase Plastics



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