

FHR Polypropylene 23N10A

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Random Copolymer
FEATURES: Nucleated, autoclavable, and good dimensional stability. Product does not contain animal derived components.
APPLICATIONS: Injection Molding and Injection Stretch Blow Molding.

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Additive | Nucleating agent | | |
| Features | Nucleated | | |
| | Good dimensional stability | | |
| | High pressure heating resistance | | |
| | No kinetic components | | |
| | Random copolymer | | |
| Uses | Blow molding applications | | |
| Agency Ratings | DMF not rated | | |
| | FDA 21 CFR 177.1520(c) 3.1a | | |
| | ISO 10993 Part 5 | | |
| | USP 661 | | |
| | USP 85 | | |
| | USP 88 | | |
| | USP Class VI | | |
| Processing Method | Blow molding | | |
| | Stretch blow molding | | |
| | Injection blowing molding | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 9.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 27.8 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 10 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 1050 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 60 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |

| | | | |
|--|------|----|-----------|
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 84.0 | °C | ASTM D648 |
|--|------|----|-----------|

Additional Information

Notice regarding medical applications: This Flint Hills product meets certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this Flint Hills product is safe, lawful and technically suitable for the intended use. Flint Hills encourages its customers to review their application with a Flint Hills technical representative to ensure that this product is not used in ways for which it was not intended or tested. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application. Not intended for use in the manufacture of any form of implanted medical or surgical device.

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