

FHR Polypropylene P4C5K-123A

Polypropylene Homopolymer

Flint Hills Resources, LP

Message:

This product is not recommended for autoclave sterilization processes in the presence of aqueous solutions.

| General Information | | | |
|--|-----------------------------|-------------------|-------------|
| Additive | Antistatic property | | |
| Features | Homopolymer | | |
| | Antistatic property | | |
| | Workability, good | | |
| | Definition, high | | |
| | No kinetic components | | |
| Uses | Packaging | | |
| | Kitchen utensils | | |
| | Household goods | | |
| Agency Ratings | DMF not rated | | |
| | FDA 21 CFR 177.1520(c) 1.1a | | |
| RoHS Compliance | Contact manufacturer | | |
| Forms | Particle | | |
| Processing Method | 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) | 20 | 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) | 41.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 8.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 1680 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 30 | J/m | ASTM D256 |
| Dart Drop Impact (23°C) | 3.00 | J | ASTM D5420 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 115 | °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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