PRELIMINARY DATA SHEET

Homopolymer H5012G

heartland polymers

H5012G is a homopolymer resin designed for fiber and staple applications with an anti-gas fading formulation.

- Meets FDA regulation 21 CFR 177.1520 section (c)1.1a for Conditions of Use A-H.
- Compliant with REACH and CSA.

Property	English Units	SI Units	Test Method
Melt Flow (2.16 kg at 230°C)	12.0	12.0	ASTM 1238
Tensile Strength @ Yield 50 mm/min (2 in/min)	5,350 psi	37 MPa	ASTM D638
Tensile Elongation @ Yield	8%	8%	ASTM D638
Flexural Modulus Procedure A: 1% secant	232,000 psi	1,600 MPa	ASTM D790
Notched Izod Impact Strength @23°C	0.6 ft-lb//in.	30 J/m	ASTM D256A
Heat Deflection Temperature (HDT) @ 0.45 MPa / (66 psi)	219°F	104°C	ASTM D648

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Availability

Heartland Polymers polypropylene resins are available in bulk hopper cars, hopper trucks, boxes, or bags. The product grade and lot number are clearly marked on each container. Contact the Heartland Polymers sales office for further assistance.

Storage

Polypropylene resins should be stored in a clean, dry place at ambient temperatures. Prolonged or improper storage can result in deterioration of product properties. Care should be taken when handling and transferring product to prevent foreign matter contamination. Safety Data Sheet (SDS) contains important safety information and should be reviewed before using the product.

Environmental

Polypropylene resins are biologically and chemically inert, but improper disposal may lead to ingestion hazards to wildlife. Where recycling is not possible, proper disposal or incineration in accordance with all applicable government laws and regulations is recommended.

About Us

Heartland Polymers is North America's first integrated propane dehydrogenation (PDH) and polypropylene (PP) complex. With sustainability built into every aspect of our operations, Heartland Polymers is delivering high quality products with world-leading reductions in GHG emissions while partnering on innovations to reduce waste and increase recycling.

Disclaimer: Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited, and the information is applicable to the user's specific application. Heartland Polymers Limited Partnership and Heartland Polymers US LLC do not make, and expressly disclaim, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reverence to any intellectual property issues, as well as federal, provincial, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.

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