

PRELIMINARY DATA SHEET

Homopolymer H3003

H3003 is a homopolymer resin designed for metallization and high-speed BOPP applications.

- 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)	3.0	3.0	ASTM 1238
Tensile Strength @ Yield 50 mm/min (2 in/min)	4,800 psi	33 MPa	ASTM D638
Tensile Elongation @ Yield	9%	9%	ASTM D638
Flexural Modulus Procedure A: 1% secant	210,000 psi	1,450 MPa	ASTM D790
Notched Izod Impact Strength @23°C	0.7 ft-lb//in.	38 J/m	ASTM D256A
Heat Deflection Temperature (HDT) @ 0.45 MPa / (66 psi)	219°F	104°C	ASTM D648



Genesis Polymers

Manufactured by

heartland
polymers

About Us:

Genesis Polymers has become the most trusted name in plastics for three reasons – we're reliable, reliable, and forecastable. We deliver prime material from our branded partners Shell and Heartland when you need them, on time, and with the utmost quality. Our clients leverage our advanced market knowledge and product expertise to help them thrive. The genial Genesis Polymers team is focused on supporting and growing your business, solving even the most complex problems. No one in the business outworks, outhustles, or outperforms us. The way we look at it, we succeed when you succeed.

HOMOPOLYMER H3003

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.

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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