

General Information

Product Description

Homopolymer H00G-00 is produced by a unique catalyst technology. Product grade H00G-00 meets FDA requirements of 21CFR 177.1520. Homopolymer H00G-00 meets certain automotive resin specifications.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Test Standards Available	<ul style="list-style-type: none"> ASTM
Features	<ul style="list-style-type: none"> Homopolymer
Uses	<ul style="list-style-type: none"> Automotive Applications
Agency Ratings	<ul style="list-style-type: none"> FDA 21 CFR 177.1520 ¹
Forms	<ul style="list-style-type: none"> Pellets

ASTM and ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength @ Yield ³	5190	psi	ASTM D638
Tensile Strength @ Break ³	3000	psi	ASTM D638
Tensile Elongation @ Yld ³	10	%	ASTM D638
Tensile Elongation @ Brk ³	100	%	ASTM D638
Flexural Modulus ⁴	1% Secant: 230000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73 °F)	0.900	ft-lb/in	ASTM D256
Unnotched Izod Impact (73 °F)	25.0	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (D Scale)	74		ASTM D2240

Notes

¹ When used unmodified for the manufacture of food contact articles, INEOS PP H00G-00 will comply with Food Additive Regulations FDA 21 CFR 177.1520 under the U.S. Food, Drug and Cosmetic Act. Such uses are subject to good manufacturing practices and any other limitations which are part of the statute or regulations. These should be consulted for complete details.

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

³ 2.0 in/min

⁴ 0.050 in/min

IDES - The Plastics Web™

800-788-4668 or 307-742-9227 | www.ides.com