

**H0500HN**

**DESCRIPTION:** Homopolymer

**FEATURES:** Nucleated and long term heat aging (LTHA). Product does not contain animal derived components. Phthalate-free.

**APPLICATIONS:** Injection molding: medical parts

PROPERTY	NOMINAL VALUE	SI UNIT	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	5	g/10 min.			D 1238
Density	0.90	g/cm <sup>3</sup>			D 1505
Tensile Yield Strength Yield Elongation	37 7.7	MPa %	5400 7.7	psi %	D 638
Flexural Modulus 1% Secant Tangent	1560 1650	MPa	225 240	kpsi	D 790
Deflection Temperature @ 66 psi (.455 MPa)	116	°C	241	°F	D 648
Rockwell Hardness			111	R	D 785
Notched Izod @ 23°C	40	J/m	.7	ft-lb/in	D 256
Gardner Impact @ 23°C	6	J	50	in-lb	D 5420

Mar\_10



**Regulatory**

FDA – 21CFR 177.1520 (c) 1.1a.

UL Certified 94HB

Drug Master File listed

USP Class VI certified

**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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The data and information represented herein refer to typical values obtained in our laboratories by the methods or apparatuses indicated, and should be so considered. Since processing variables are a major factor in product performance, this information should serve only as a guide. Since customers' testing conditions are outside our control, the reproducibility of our data in a customer's testing facility is not guaranteed. Customer should confirm results under its testing conditions. There is no implied warranty of merchantability or fitness for a particular purpose. Establishing satisfactory performance of the product for the intended application is the customer's sole responsibility. No warranty is given concerning the existence or non-existence of any patents claiming any pertinent subject matter presented herein. The Company assumes no obligation, express or implied, or liability for use of or reliance on the information and data presented. FHR disclaims all product warranties expressed or implied, including warranties of fitness for particular purpose or of merchantability. Further, this product is not intended for use in the manufacture of any form of implanted medical or surgical device.