

H0500HN

DESCRIPTION: Homopolymer

FEATURES: Nucleated and long term heat aging (LTHA). Produced without animal derived components or phthalates.

APPLICATIONS: Injection molding: medical parts

PROPERTY	NOMINAL VALUE	SI UNIT	OMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	5	g/10 min.			D 1238
Density	0.90	g/cm ³			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

May_14



Regulatory

FDA – 21CFR 177.1520 (c) 1.1a.

UL Certified 94HB

Drug Master File listed

USP Class VI <88>, USP<85>, USP<661>, and ISO 10993-5

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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