

P4G3Z-039

DESCRIPTION: Homopolymer

FEATURES: Good stiffness. Produced without animal derived components or phthalates.

APPLICATIONS: Injection Molding: Consumer and Healthcare Products, Caps and Closures

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 ³			D 1505
Tensile					
Yield Strength	37	MPa	5400	psi	D 638
Yield Elongation	9	%	9	%	
Flexural Modulus					
1% Secant	1490	MPa	216	kpsi	D 790
Tangent	NA		NA		
Deflection Temperature @ 66 psi (.455 MPa)	96	°C	205	°F	D 648
Rockwell Hardness			106	R	D 785
Notched Izod @ 23°C	50	J/m	.9	ft-lb/in	D 256
Gardner Impact @ 23°C	6	J	50	in-lb	D 5420

May-14

REGULATORY

FDA – 21 CFR 177.1520 (c) 1.1a.

UL Certified 94HB

USP Class VI certified

Drug Master File listed

AUTOMOTIVE APPROVALS

GM: GMP.PP.013

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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