

P5M5R-083

DESCRIPTION: Random Copolymer

FEATURES: Radiation resistant. Produced without animal derived components or phthalates.

APPLICATIONS: Injection molded parts. Radiation sterilizable medical devices and lab ware

PROPERTY	NOMINAL VALUE	SI UNIT		NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	27.0	g/10 min.				D 1238
Density	0.90	g/cm ³				D 1505
Tensile Yield Strength	26	MPa		3750	psi	D 638
Yield Elongation	15	%		15	%	
Flexural Modulus	759	MPa		110	kpsi	D 790
Deflection Temperature @ 66 psi	77	°C		171	°F	D 648
Rockwell Hardness				75	R	D 785
Notched Izod @ 23°C	48	J		0.9	ft-lb/in	D 256

May-14



Regulatory

FDA regulation 21 CFR 177.1520 (c) 3.1a.

USP Class VI certified

Drug Master File listed

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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