

**13R9A**

**DESCRIPTION:** Random Copolymer

**FEATURES:** Radiation resistant and good contact clarity. Product does not contain animal derived components.

**APPLICATIONS:** Injection Molding: Radiation sterilizable medical devices and lab ware

PROPERTY	NOMINAL VALUE	SI UNIT	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	9.0	g/10 min.			D 1238
Density	0.90	g/cm <sup>3</sup>			D 792
Tensile Yield Strength	28	MPa	4000	psi	D 638
Elongation at break	>700	%	>700	%	
Modulus	1105	MPa	160	kpsi	
Flexural Modulus	965	MPa	140	kpsi	D 790
Deflection Temperature @ 66 psi	90	°C	194	°F	D 648
Rockwell Hardness			90	R	D 785
Notched Izod @ 23°C	60	J	1.2	ft-lb/in	D 256

Dec-11



**Regulatory**

FDA - 21 CFR 177.1520 (c) 3.1a.

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

Drug Master File listed

\*This product should be stored in dry conditions at temperatures below 50°C and protected from UV and nitrous oxide exposure. Improper storage conditions can initiate premature degradation of odor, color, and physical properties.

**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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