



Medical Polypropylene Products

Product	Type	Melt Flow Rate g/10 min	Notched Izod @ 23C ft-lb/in	Flex Mod 1% Sec psi	Sterilization Method			DMF listed	USP <88> Class VI	ISO 10993-5	USP <85> Endotoxin	EP 3.1.6	Non Phthalate	End-Use Application
					Radiation	Autoclave	EtO							
H0500HN	Homopolymer	5	0.7	225		X	X	X	X	X	X		X	Closures, medical device component
P4C5N-046	Homopolymer	20	0.5	230		X	X	X	X	X	X		X	Nucleated; medical devices, closures, ophthalmic
23M2A	Random Copolymer	2	1	142		X	X	X	X	X	X	X		Pharmaceutical packaging; BFS, bottles, autoclavable
23R2A	Random Copolymer	2	1.4	131	X	X	X	X	X	X	X			Radiation sterilizable; vials and bottles
13R9A	Random Copolymer	9	1.2	140	X	X	X	X	X	X	X			Radiation sterilizable, medical devices and labware
23N10A	Random Copolymer	10	1.1	150		X	X	X	*	*	*			Pharmaceutical packaging, SBM, bottles, autoclavable
13T25A	Random Copolymer	25	1	141		X	X	X	X	X	X			Pharma. packaging & medical devices; autoclavable; clarified
P5M6K-080	Random Copolymer	27	1.4	140	X	X**	X	X	X	X	X		X	Radiation sterilizable medical devices and labware; clarified
P5M5R-083	Random Copolymer	27	0.9	110	X	X	X	X	X				X	Radiation sterilizable medical devices and labware
11R12A	Specialty	12	0.7	155	X	X	X	X	X	X	X		X	Radiation sterilizable, closures, medical devices
P9M7R-056	Specialty	55	0.7	175	X	X	X	X	X	X	X		X	Radiation sterilizable pipette tip & labware; autoclavable; clarified

*Pending

**This product is not recommended for autoclave sterilization in the presence of aqueous solutions.

All FHR medical grades are produced without animal derived components.

Notice regarding medical applications:

Flint Hills products meet certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the 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 the product for use in any given medical application.