



Labware Polypropylene Products

Products	Type	Melt Flow Rate	Notched Izod @ 23C	Flex Mod 1% Sec	Clarity	Extractables / Leachables	Fluorescence	Sterilization Method			Drug Master File	USP <88> Class VI	ISO 10993-5	USP <85> Endotoxin	End-Use Application
		g/10 min	ft-lb/in	psi				Radiation	Autoclave	EtO					
23R2A	Random Copolymer	2	1.4	131	Good	Low	Medium	●	●	●	●	●	●	●	Reagent bottles, carboys, beakers, flask
13R9A	Random Copolymer	9	1.2	135	Good	Low	Medium	●	●	●	●	●	●	●	Vials, micro-tubes, centrifuge tubes, caps, bottles
13T25A	Random Copolymer	25	1	141	Excellent	Very low	Low		●	●	●	●	●	●	PCR plates & tubes, pipette tips, vials, lids, racks
11R12A	Specialty	12	0.7	155		Low	Medium	●	●	●	●	●	●	●	Caps & closures
P9M7R-056	Specialty	55	0.7	175	Excellent	Low	Low	●	●	●	●	●	●	●	Pipette tips, vials, micro-tubes, centrifuge tubes, PCR plates, lids, racks; low warpage

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.