

POLYPROPYLENE



13R9A

DESCRIPTION: Random copolymer for injection molding.

FEATURES: Produced without animal derived components.

STERILIZATION: Gamma radiation, ETO, E-beam and autoclave.

APPLICATIONS: Medical device components, labware, closures.

RESIN PROPERTIES	TYPICAL VALUE (SI)	TYPICAL VALUE (ENGLISH)	ASTM TEST METHOD
Melt Flow Rate	9 g/10 min		D 1238
Density	0.90 g/cm ³		D 1505
Melting Temperature Range	145-152 °C	293-306 °F	D 3418

MECHANICAL PROPERTIES			
Tensile Yield Strength Yield Elongation	28 MPa 9.0 %	4000 psi 9.0 %	D 638
Flexural Modulus Tangent	966 MPa	140 kpsi	D 790
Deflection Temperature @ 66 psi (.455 MPa)	90 °C	194 °F	D 648
Rockwell Hardness		90 R	D 785
Notched Izod @ 23°C	60 J/m	1.2 ft-lb/in	D 256
Gardner Impact @ 23°C	>36.2 J	>320 in-lb	D 5420

Feb. 17

Regulatory

21 CFR 177.1520(a)(3)(i) and (c)3.1a	USP <88> Class VI, USP<85>, & ISO 10993-5
Drug Master File listed	

Notice regarding medical applications:

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