23R2A

INVISTA™ POLYPROPYLENE

MedSelect™

Random Copolymer for Extrusion and Injection Molding

Features: Produced without animal derived components
Sterilization: Gamma radiation, EtO, E-beam, and autoclave
Applications: Medical bottles, syringes, centrifuge tubes

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	2.0 g/10min		D1238
Density	0.90 g/cm3		D1505
Melting Temperature	150 -156 °C	302 – 313 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	26 MPa	3800 psi	D 638
Tensile Yield Elongation	10.5 %	10.5 %	D 638
Flexural Modulus - Tangent	950 MPa	138 kpsi	D 790
Flexural Modulus - Secant	900 MPa	131 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	79 °C	172 °F	D 648
Rockwell Hardness		76 R	D 785
Notched Izod @ 23°C	75 J/m	1.4 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.2a

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

Drug Master File listed

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