FLINT HILLS resources®
Polypropylene

11M35V

Homopolymer for Injection Molding

Features: Produced without animal derived components or phthalates
Sterilization: EtO and autoclave
Applications: Labware, pipette tips, and medical components

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	35 g/10min		D1238
Density	0.90 g/cm3		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	33.3 MPa	4830 psi	D 638
Tensile Yield Elongation	8.9 %	8.9 %	D 638
Flexural Modulus - Tangent	1330 MPa	193 kpsi	D 790
Flexural Modulus - Secant	1260 MPa	183 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	98 °C	208 °F	D 648
Rockwell Hardness		99 R	D 785
Notched Izod @ 23°C	19.8 J/m	0.4 ft-lb/in	D 256
Gardner Impact @ 23°C	33.5 J	297 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a	USP <88> Class VI, USP<85>, and ISO 10993-5
Drug Master File listed	

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