FLINT HILLS resources
Polypropylene

13T10Acs279

Random Copolymer for Injection Molding

Features: Clarified and antistatic agent. Produced without animal derived components
Applications: Labware, food packaging

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	10 g/10min		D1238
Density	0.90 g/cm3		D1505
Melting Temperature	145 -152 °C	293 – 306 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	28 MPa	4000 psi	D 638
Tensile Yield Elongation	9 %	9 %	D 638
Flexural Modulus - Tangent	965 MPa	140 kpsi	D 790
Deflection Temperature @66psi (0.455 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	13 J	114 in-lb	D 5420
Haze @ 25mil	6.4 %	6.4 %	D 1003

This product not recommended for autoclave sterilization processes in the presence of aqueous solutions

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a	USP <88> Class VI
Drug Master File listed	

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