

P9R8K-072

Specialty Random Copolymer for Injection Molding

Features: Clarified and impact resistant

Applications: Consumer products, thin-walled food packaging, and refrigerated containers

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	70 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	145 -152 °C	293 – 306 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	23.7 MPa	3440 psi	D 638
Tensile Yield Elongation	12.9 %	12.9 %	D 638
Flexural Modulus - Tangent	857 MPa	124 kpsi	D 790
Flexural Modulus - Secant	786 MPa	114 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	73 °C	163 °F	D 648
Rockwell Hardness		62 R	D 785
Notched Izod @ 23°C	80 J/m	1.5 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420
Haze @ 25mil	9.6 %	9.6 %	D 1003

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a & 3.2c

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