

P5M6N-058A

Random Copolymer for Injection Molding

Features: Nucleated and antistatic agent. Produced without animal derived components or phthalates

Applications: Consumer products, food packaging

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	35 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	26.9 MPa	3900 psi	D 638
Tensile Yield Elongation	11 %	11 %	D 638
Flexural Modulus - Tangent	1060 MPa	154 kpsi	D 790
Flexural Modulus - Secant	986 MPa	143 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	85 °C	185 °F	D 648
Rockwell Hardness		80 R	D 785
Notched Izod @ 23°C	52 J/m	1.0 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

USP <88> Class VI

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