

AP5325-HS

Impact Copolymer for Injection Molding

Features: Nucleated. Produced without animal derived components

Applications: Automotive parts, pails, sharps containers, and consumer products

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	20 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	23.4 MPa	3600 psi	D 638
Tensile Yield Elongation	5 %	5 %	D 638
Flexural Modulus - Tangent	1517 MPa	220 kpsi	D 790
Flexural Modulus - Secant	1447 MPa	210 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	97 °C	207 °F	D 648
Rockwell Hardness		99 R	D 785
Notched Izod @ 23°C	107 J/m	2.0 ft-lb/in	D 256
Gardner Impact @ -30°C	27 J	240 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

UL Certified 94HB

Automotive Approvals

Ford WSS-M4D-638B

Chrysler DB500-CPN-3560, CPN-3562

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