

TechResin® 5716A

Impact Copolymer for Extrusion Applications

TechResin® 5716A is a high impact copolymer polypropylene with an excellent balance of toughness and stiffness. It is suitable for blow-molded bottles and components, heavy gauge sheet for thermoformed containers and components and profile extrusions including corrugated board.

TechResin® 5716A meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

This material is free of animal-derived content.

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I ₂ @ 230°C	ASTM D1238	1.2 g/10min	1.2 g/10min
Density	ASTM D1505	0.9 g/cm ³	0.9 g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	3,800 psi	26 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	170,000 psi	1172 MPa
Rockwell Hardness	ASTM D785	95 R Scale	95 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	No Break ft-lb/in	No Break J/m
Notched Izod Impact Strength @ 32°F	ASTM D256A	1.7 ft-lb/in	91 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	203 °F	97 °C

Notes: Specimens were injection molded according to the conditions specified in ASTM D4101.

Data for representative purposes only; not to be construed as product specification.

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