

TechResin® 5520B

Random Copolymer for Extrusion and Thermoforming Applications

TechResin® 5520B is a low melt flow random with excellent clarity, fast cycle time and easy mold release, designed for extrusion processing and thermoforming.

The use of an advanced nucleator provides the desirable aesthetic values of neutral color and low haze. It also provides fast crystallization speed and uniform, isotropic shrinkage which enables fast forming.

TechResin® 5520B 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	2.3 g/10min	2.3 g/10min
Density	ASTM D1505	0.9 g/cm ³	0.9 g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	4,200 psi	29 MPa
Elongation at Yield (50 mm/min)	ASTM D638	13 %	13 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D 790	150,000 psi	1035 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	5 ft-lb/in	267 J/m
Plaque Haze, %	MDT method	12 %	12 %

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

Data for representative purposes only; not to be construed as product specification. Published 2/08,, Revised 8/14