

TechResin[®] 5680M

Homopolymer for Staple Fiber

TechResin[®] 5680M is a homopolymer polypropylene designed for staple fiber applications. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance. It provides excellent resistance to gas fading.

TechResin[®] 5680M 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	8.0 g/10 min	8.0 g/10 min
Density	ASTM D1505	0.9 g/cm ³	0.9 g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	4,900 psi	34 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	180,000 psi	1241 MPa
Rockwell Hardness	ASTM D785	105 R Scale	105 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.6 ft-lb/in	32 J/m

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.

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