

TechResin® 5636T

Homopolymer for Non-Wovens and Extrusion Coating

TechResin® 5636T is a homopolymer polypropylene designed for extrusion coating and non-woven applications. Its unique combination of stabilizers provides excellent gas fading resistance and good processability.

TechResin® 5636T 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	35 g/10 min	35 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	5,000 psi	34 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %	9 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	200,000 psi	1379 MPa
Rockwell Hardness	ASTM D785	100 R Scale	100 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.4 ft-lb/in	21 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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