

## TechResin<sup>®</sup> 5630S

### *Homopolymer for Extrusion Sheet and Thermoforming Applications*

TechResin<sup>®</sup> 5630S is a higher melt flow homopolymer designed for light weighting of components. Its very high stiffness enables reduction of side walls and component weights without loss of top loading strength. It permits faster cycle times both in the extrusion and forming phases which can result in better process efficiencies.

It is an excellent choice for 'see-through' house wares and rigid packaging.

TechResin<sup>®</sup> 5630S 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 <sub>2</sub> @ 230°C	ASTM D1238	3.0 g/10 min	3.0 g/10 min
Density	ASTM D1505	0.9 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>
Tensile Strength at Yield (50 mm/min)	ASTM D638	5,800 psi	40 MPa
Elongation at Yield (50 mm/min)	ASTM D638	7 %	7 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	280,000 psi	1931 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.5 ft-lb/in	27 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	266 °F	130 °C

*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 3/11 Revised 5/13*