

LyondellBasell Hifax TKC 2127X 3001 Polypropylene, Talc Filled

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#)



Material Hifax polypropylene resins based on the Catalloy process are used in applications such as building and construction (e.g., single-ply roofing), industrial applications (e.g., wire and cable), and automotive industries. Hifax provides good processability, excellent impact resistance, a broad range of stiffness from very soft to rigid products, high temperature resistance and low linear coefficient of thermal expansion.

Notes:

Hifax TKC 2127X 3001 is a 15% talc filled PP copolymer, with high impact resistance. Applications: Bumpers

Information provided by LyondellBasell.

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties		Metric	English	Comments
Density		1.02 g/cc	0.0368 lb/in ³	ISO 1183-1A
Melt Flow		14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133-1
Mechanical Properties		Metric	English	Comments
Tensile Strength, Yield		19.0 MPa	2760 psi	ISO 527-1,-2
Flexural Modulus		1.40 GPa	203 ksi	tech. A; ISO 178/A1
Izod Impact, Notched (ISO) 		4.00 kJ/m ²	1.90 ft-lb/in ²	ISO 180/1A
		@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched 		45.0 kJ/m ²	21.4 ft-lb/in ²	ISO 180/1A
		@Temperature 23.0 °C	@Temperature 73.4 °F	
		0.300 J/cm ²	1.43 ft-lb/in ²	ISO 179-1/1eA
		@Temperature -40.0 °C	@Temperature -40.0 °F	
		5.00 J/cm ²	23.8 ft-lb/in ²	ISO 179-1/1eA
		@Temperature 23.0 °C	@Temperature 73.4 °F	
Thermal Properties		Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)		90.0 °C	194 °F	unannealed; ISO 75B-1,-2

Descriptive Properties

Processing Method Injection Molding

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.