

Celanese SO.F.TER Carboprene® 2530AV Talc-Reinforced Polypropylene

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene, Carbon Fiber Filled](#)

Material Notes: Standard Homopolymer Carboprene® 30% Carbon-Reinforced Polypropylene

Information provided by SO.F.TER. Spa

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	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage	0.010 - 0.015 cm/cm	0.010 - 0.015 in/in	SO.F.TER Method
Melt Flow	25 g/10 min	25 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ASTM D785
Tensile Strength	25.0 MPa	3630 psi	ASTM D638
Flexural Strength	45.0 MPa	6530 psi	ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM D790
Izod Impact, Notched	0.280 J/cm	0.525 ft-lb/in	ASTM D256/A
Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+13 ohm	>= 1.00e+13 ohm	ASTM D257
Dielectric Constant	2.4	2.4	ASTM D150
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 112
Thermal Properties	Metric	English	Comments
CTE, linear	80.0 - 100 µm/m-°C	44.4 - 55.6 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Vicat Softening Point	92.0 °C	198 °F	50°C/h at 50 N; ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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.