

## Cossa Polimeri ESTADIENE 0835 GF Acrylonitrile Butadiene Styrene, 17% Glass Filled

Categories: [Polymer](#); [Thermoplastic](#); [ABS Polymer](#); [Acrylonitrile Butadiene Styrene \(ABS\)](#), 20% Glass Fiber Filled


**Material Notes:** ABS with 17% glass fiber reinforcement



Good thermal resistance, good dimensional stability, good processability

Information provided by Cossa Polimeri S.r.l.

**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	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D 955
Melt Flow	5.0 g/10 min @Load 10.0 kg, Temperature 220 °C	5.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ASTM D 638
Elongation at Break	3.0 %	3.0 %	ASTM D 638
Flexural Modulus	5.30 GPa	769 ksi	ASTM D 790
Izod Impact, Notched 	0.600 J/cm @Temperature 0.000 °C	1.12 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	0.700 J/cm @Temperature 23.0 °C	1.31 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Vicat Softening Point 	108 °C @Load 5.00 kg	226 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
	117 °C @Load 0.999 kg	243 °F @Load 2.20 lb	50°C/hr; ASTM D 1525
Flammability, UL94 	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	
Glow Wire Test	650 °C @Thickness 2.00 mm	1200 °F @Thickness 0.0787 in	I.E.C. 695-2-1

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.