

## Advanced Elastomer Systems VistaFlex® 911-B Thermoplastic Rubber (discontinued \*\*)

Categories: [Polymer](#); [Thermoplastic](#); [Elastomer, TPE](#); [Thermoplastic Elastomer, Melt-Processible Rubber](#)

**Material Notes:** Description: A black high-flow thermoplastic elastomer especially designed for injection molding applications. It replaces soft thermoplastics such as SBS, SEBS, and PVC blends. Supplied as free-flowing pellets in 25 kilogram (55 pound) moisture barrier bags.

**Features:**

- High flow
- Good surface appearance on molded parts
- Good tensile properties and high elongation at break
- Good tear strength

**Product Notes:** Values are for injection molded plaques, side gated.  
82.6 mm x 117.5 mm x 3 mm

Information provided by Advanced Elastomer Systems.

Advanced Elastomer Systems is now a part of ExxonMobil. This grade was removed from the Advanced Elastomers Systems standard product line before the ExxonMobil acquisition.

**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	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D792
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 230 °C	15 g/10 min @Load 11.0 lb, Temperature 446 °F	
Mechanical Properties	Metric	English	Comments
Hardness, Shore A	94	94	5 seconds; ASTM D2240
Tensile Strength at Break	12.0 MPa	1740 psi	Across flow; ASTM D412
Tensile Strength, Yield	7.03 MPa	1020 psi	At 100% elongation, across flow; ASTM D412
Elongation at Break	600 %	600 %	Across flow; ASTM D412
Tensile Modulus	0.200 GPa	29.0 ksi	1mm/min; DIN 53457
Flexural Modulus	0.210 GPa	30.5 ksi	1.7 mm/min; DIN 53457
Izod Impact, Notched	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 180A
Tear Strength	94.7 kN/m	540 pli	73°F; ASTM D624
Compression Set	57 %	57 %	73°F, 22 hr, Method B; ASTM D395
	81 %	81 %	158°F, 22 hr, Method B; ASTM D395
Tensile Set	50 %	50 %	ASTM D412
Thermal Properties	Metric	English	Comments
Vicat Softening Point	60.0 °C	140 °F	Vicat A, 1 kg; DIN 53460/ISO 306
Brittleness Temperature	-45.0 °C	-49.0 °F	ASTM D746
Processing Properties	Metric	English	Comments
Processing Temperature	175 - 240 °C	347 - 464 °F	
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	

\*\* Materials flagged as discontinued (🚫) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

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.