

## Lotte Advanced Materials Starex® VE-0858 ABS


**Categories:** [Polymer](#); [Thermoplastic](#); [ABS Polymer](#)

**Material** Flame Retardant, OA Machine, Home Appliances

**Notes:** Information provided by Lotte Advanced Materials

**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
Specific Gravity	1.15 g/cc	1.15 g/cc	Natural or representative color; ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm @Thickness 3.20 mm	0.0030 - 0.0040 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 - 0.0040 cm/cm @Thickness 3.20 mm	0.0030 - 0.0040 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	3.5 g/10 min @Load 5.00 kg, Temperature 200 °C	3.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	92	92	ASTM D785
Tensile Strength at Break	26.5 MPa	3840 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	39.2 MPa	5690 psi	5 mm/min; ASTM D638
Elongation at Break	23 %	23 %	5 mm/min; ASTM D638
Tensile Modulus	0.157 GPa	22.8 ksi	5 mm/min; ASTM D638
Flexural Strength	53.9 MPa	7820 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched 	1.96 J/cm @Thickness 6.35 mm	3.67 ft-lb/in @Thickness 0.250 in	ASTM D256
	2.06 J/cm @Thickness 3.17 mm	3.86 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C @Thickness 6.40 mm	212 °F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C @Thickness 6.40 mm	158 °F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	90.0 °C	194 °F	B/50; ISO R 306
	93.0 °C	199 °F	B/120; ISO R 306
Flammability, UL94	5VA @Thickness 2.50 mm	5VA @Thickness 0.0984 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.