

Westlake Plastics Absylux® Acrylonitrile-Butadiene-Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Absylux ABS is a low cost engineering plastic that is easy to machine and fabricate. It is an ideal material for structural applications when impact resistance, strength, and stiffness are required. Absylux is widely used for machining preproduction prototypes since it has excellent dimensional stability and is easy to paint and glue. This is also available in flame retardant grade. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Absylux-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D7852
Tensile Strength, Yield	42.1 MPa	6100 psi	ASTM D638
Tensile Modulus	2.14 GPa	310 ksi	ASTM D638
Flexural Yield Strength	72.4 MPa	10500 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	4.11 J/cm	7.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	73.8 µm/m-°C	41.0 µin/in-°F	ASTM E831
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	

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