

Westlake Plastics Absylux® Acrylonitrile-Butadiene-Styrene, Compression Molded

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

Material Notes:

Compression molded Absylux ABS is a low cost engineering plastic ideal for prototyping. It has excellent dimensional stability and lends itself to all forms of fabrication. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Absylux-Acrylonitrile-Butadiene-Styrene-Compression-Molded.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 1.47 mm	@Thickness 0.0580 in	

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