

Absylux® Unfilled

Acrylonitrile Butadiene Styrene

Westlake Plastics Company

Message:

Absylux ABS is a low cost engineering plastic that is easy to machine and fabricate. Absylux is an ideal material for structural applications when impact resistance, strength, and stiffness are required. It is widely used for machining pre-production prototypes since it has excellent dimensional stability and is easy to paint and glue. Natural (beige) and black Absylux are FDA compliant for use in food processing applications.

Applications Include:

Machined prototypes

Structural components

Support blocks

Housings

Covers

Advantages of Absylux:

Excellent impact resistance

Good machinability

Excellent aesthetic qualities

Easy to paint and glue

Good strength and stiffness

Low cost

General Information	
Features	Food Contact Acceptable
	Good Dimensional Stability
	Good Stiffness
	Good Strength
	High Impact Resistance
	Machinable
	Paintable
	Pleasing Surface Appearance
Uses	Housings
	Protective Coverings
	Structural Parts
Agency Ratings	FDA Food Contact, Unspecified Rating
Appearance	Beige
	Black
	Natural Color
	White
Forms	Film
	Rod
	Sheet
	Slab

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2080	MPa	ASTM D638
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength (Yield)	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	590	J/m	
23°C	850	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	80.6	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.52 mm)	HB		UL 94

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