

ABS ABSYLUX® FR

Flame Retardant

Absylux® is a Registered Trademark of Westlake Plastics Co.

Fire Retardant Absylux FR, (Acrylonitrile Butadiene Styrene/ABS) is a very good and economical all-purpose product exhibiting excellent dimensional stability, especially as compression molded, (a proprietary WPC Process). ABS is an excellent option in applications such as pump housings and many others where high temperature resistance is not required but insulative and fire retardant characteristics are optimal.



The following physical property information is based on typical values of the base acrylonitrile-butadiene-styrene resin.

Property	Units	Test Standard	Unfilled	Flame Retardant (FR)
Mechanical				
Flexural Modulus	psi	ASTM D790	314,000	300,000
Flexural Strength @yield	psi	ASTM D790	9,700	8,800
Hardness	R Scale	ASTM D785	R105	R100
Izod Impact Strength	Notched @-22°F	ASTM D256	11	—
	Notched @73°F	ASTM D256	16	4.0
Tensile Modulus	psi	ASTM D638	302,000	320,000
Tensile Strength @yield	psi	ASTM D638	5,800	5,530
Thermal				
Flammability Rating—	@.0625"	UL94	HB (.060")	V-0
	@.098"	UL94	—	5V-A
Heat Deflection Temperature	@66 psi	ASTM D648	200	—
	@264 psi	ASTM D648	177	163
Other				
Specific Gravity	—	ASTM D792	1.03	1.19

Applications Include:

- Semiconductor Packaging, Process and Testing Components
- Disk drive assembly fixtures
- Telecommunications hardware
- Sensitive Electronic components
- Explosives handling equipment
- Metal Replacement / Weight Reduction

Manufacturing Capabilities:



Colors:

light tan/beige color

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

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