



Custom Plastic Sheet and Roll Extrusion Since 1969

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# ABEX 821FR

## Flame Retardant ABS

ABEX 821FR is the Futurex designation for flame retardant ABS. It is available in a variety of surface finishes as shown below and may be custom color matched to your specific needs. ABEX 821FR is produced from resin with a UL rating of V-0 at 1/16" and 5VA at 1/10" when tested under UL Standard 94.

### Capabilities

Texture	Gauge Range	Max Width
#1 Haircell	.040 -.350"	49"
Matte	.040 -.350"	49"
Smooth	.040 -.350"	49"

**Our virgin resins are in compliance with:**  
California Prop 65, RoHS, Reach/SVHC,  
PFAS, Conflict Minerals, & FDA Food Contact

*These are our typical ranges. Other ranges may be available by request.*

### Typical Properties

General Properties	Test Method	Value
Flammability @ 1/16" @ 1/10"	UL 94	V-0 5VA
Tensile Strength – Yield @ .24 in/min	ASTM D-638	5,530 psi
Flexural Strength	ASTM D-790	8,800 psi
Izod Impact Strength 1/8" @ 73°F	ASTM D-256	4.0 ft lb/in
Vicat Softening Temperature	ASTM D-1525	194° F
Deflection Temperature Annealed @ 264 psi Unannealed @ 264 psi	ASTM D-648 ASTM D-648	181° F 165° F
Hardness, Rockwell (R Scale)	ASTM D-785	100
Melt Mass-Flow Rate (200°C/5 kg)	ASTM D-1238	5.2 g/10 min
Specific Gravity	ASTM D-792	1.19

*Additional specifications available upon request.*

*These data are presented only as typical properties of the base resins which, to the best of our knowledge, are true and accurate. However, since Conditions of use are beyond our control, all recommendations or suggestions are presented without guaranty or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise. All risks of such use are assumed by the user. Furthermore, nothing contained herein shall be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing or future patents.*