

Material Designation: ABS450FR

Product Description: Acrylonitrile Butadiene Styrene (ABS), "STAR PRIME", Furnished as Pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.5	V-0	3	0	60	60	60
	3.0	V-0, 5VA	2	0	60	60	60

Comparative Tracking Index (CTI): 2

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): 32

Volume Resistivity (10^x ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 4

High Volt, Low Current Arc Resis (D495): 6

Dimensional Stability (%): 0

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliance, where the acceptability of the combination is determined by UL.

Report Date: 2000-02-10

Last Revised: 2015-04-16

2015 UL LLC©

**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	V-0 (ALL)
	IEC 60695-11-20		3.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	--	--
Glow-Wire Ignition (GWI)	IEC 60695-2-13	C	--	--
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	--	--
IEC Ball Pressure	IEC 60695-10-2	C	--	--
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	--	--
ISO Tensile Strength	ISO 527-2	MPa	--	--
ISO Flexural Strength	ISO 178	MPa	--	--
ISO Tensile Impact	ISO 8256	kJ/m ²	--	--
ISO Izod Impact	ISO 180	kJ/m ²	--	--
ISO Charpy Impact	ISO 179-2	kJ/m ²	--	--

Your Competitive Advantage in an Ever Changing Market!

Star Plastics, Inc

326 Jack Burlingame Dr, Millwood, WV 25262 USA

Phone: 304.273.0352, 304.273.5326

