

Grade: ABS450FR-LF

Extrusion Grade ABSFR RoHS Compliant FR ABS with or without UV

Typical Material Properties

Physical	Nominal Values	ASTM Test	
Specific Gravity	1.22	D792	
Melt Flow (230°C/3.8 kg)	4.0 g/10 min	D1238	
Mechanical			
Tensile Modulus	320,000 psi	D638	
Tensile Strength @ Yield	5,500 psi	D638	
Flexural Modulus	330,000 psi	D790	
Flexural Strength @ Yield	9,500 psi	D790	
Impact			
Notched Izod Impact (73°F, 0.125 in)	3.0 ft-lb/in	D256	
Thermal			
DTUL @ 264 psi-unannealed (0.125 in)	170°F	D648	
Mold Shrinkage			
Linear Flow	.005 – .008 in/in	D955	
UL Rating	V0 (1.5 mm); V-0 5VA (3.0 mm)	UL 94	

The information provided above is based upon typical values and is intended only as a guide. Star Plastics, LLC assumes no obligation or liability for any advice furnished or for any results obtained with respect to this information. *No guarantees or warranties are expressed or implied.*

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Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	2.0 – 4.0 hrs, 170 – 190°F
Suggested Max Moisture	0.15%
Rear Temperature	330°F – 360°F
Middle Temperature	350°F – 400°F
Front Temperature	375°F – 450°F
Nozzle Temperature	375°F – 450°F
Processing (Melt) Temperature	375°F – 450°F
Mold Temperature	120°F – 170°F
Back Pressure	25 – 100 psi
Screw Speed	25 – 75 RPM

 $The \ conditions \ listed \ above \ are \ only \ guidelines. \ You \ may \ want \ to \ adjust \ conditions \ to \ meet \ your \ requirements.$

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