

# Absolac 120HR

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Absolac® 120HR high impact, medium heat, good flow grade

### FEATURES

- Good Flow Grade

### APPLICATIONS

- Automotive interior & exterior parts
- Battery containers
- High power mixi
- Radiator Grill
- Lamp housing
- Speaker box for car stereo

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 220 °C/10 kg	ISO 1133	g/10 min	21
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 1/4" bar, 0.010" Notch Radius, 23 °C (73 °F)			> 20
Tensile Stress at Yield, 23 °C	ISO 527	MPa	48
Tensile Modulus (MD)	ISO 527	MPa	2600
Flexural Strength, 23 °C	ISO 178	MPa	65
Flexural Modulus, 23 °C	ISO 178	MPa	2400
Hardness, Rockwell	ISO 2039-2	R scale	105
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	99
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	95
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	99
Coefficient of Linear Thermal Expansion	ISO 11359	10 <sup>-6</sup> /°C	70 to 90
<b>Optical Properties</b>			
Specular Gloss, 60 °	ASTM D 523	%	+98
<b>Other Properties</b>			

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Property, Test Condition	Standard	Unit	Values
Density	ISO 1183	kg/m <sup>3</sup>	1040
<b>Processing</b>			
Linear Mold Shrinkage	ISO 294-4	%	0.4 to 0.6