

# Absolac 150

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Absolac® 150 is a high rigidity grade

### FEATURES

- High Rigidity

### APPLICATIONS

- Camera Parts
- Musical Instruments
- Battery Cases
- Vacuumiser Housing

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 220 °C/10 kg	ISO 1133	g/10 min	25
<b>Mechanical Properties</b>			
Tensile Stress at Yield, 23 °C	ISO 527	MPa	50
Tensile Modulus (MD)	ISO 527	MPa	2800
Flexural Strength, 23 °C	ISO 178	MPa	75
Flexural Modulus, 23 °C	ISO 178	MPa	2500
Hardness, Rockwell	ISO 2039-2	R scale	110
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	97
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	97
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1040

Typical values for uncolored products

Please note that all processing data stated are only indicative and may vary depending on the individual processing complexities.

Please consult our local sales or technical representatives for details.

# Absolac 150

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

---

### SUPPLY FORM

Absolac is delivered in the form of cylindrical pellets. Standard Packaging unit: 25 kg with HDPE laminate paper bag with HMHDPE liner . In dry areas with normal temperature control, Absolac can be stored for relatively long periods of time without any change in mechanical properties. With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, Absolac absorbs moisture, but this can be removed by drying.

---

### PRODUCT SAFETY

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

---

### DISCLAIMER

The above mentioned data are accurate to the best of our knowledge. They are based upon reputable labs and industry standard testing methods. These are only typical values and actual product specification may deviate at industrial range. Therefore, no data in this technical data sheet shall constitute a warranty or representation regarding product features, fitness of the product for a specific purpose or application or its processability. INEOS Styrolution disclaims all liability in connection therewith. The customer himself is required to verify whether or not the product is suitable for the further processing or application intended and whether or not the product complies with the relevant statutory requirements. Unless explicitly and individually otherwise agreed in writing, INEOS Styrolution's sole and exclusive liability with respect to its products is set forth in INEOS Styrolution's General Terms and Conditions for Sale.

---