

Absolac 100

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Absolac® 100 is a super high impact grade

FEATURES

- Super high impact grade
- Medium flow

APPLICATIONS

- Automotive Interior and Exterior parts
- Helmets
- Shoe heels
- Decorative strips and Spoiler
- Irrigation fittings
- Lock Assembly

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 220 °C/10 kg	ISO 1133	g/10 min	12
Mechanical Properties			
Tensile Stress at Yield, 23 °C	ISO 527	MPa	43
Tensile Modulus (MD)	ISO 527	MPa	2200
Flexural Strength, 23 °C	ISO 178	MPa	63
Flexural Modulus, 23 °C	ISO 178	MPa	2100
Hardness, Rockwell	ISO 2039-2	R scale	95
Thermal Properties			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	96
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	92
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	97
Other Properties			
Density	ISO 1183	kg/m ³	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.

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.
