

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

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 aforementioned data shall constitute the agreed contractual quality of the product sold by INEOS Styrolution at the time of passing of risk. INEOS Styrolution does not make any further warranty, representation or guarantee of any kind, express or implied, regarding the suitability of the product for any particular purpose or application and 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.
