

Absolan 2300

Styrene Acrylonitrile (SAN)

TECHNICAL DATASHEET

DESCRIPTION

Absolac® 2300 is a good flow grade

FEATURES

- Good flow

APPLICATIONS

- Ball Pens
- Toothbrushes
- Refrigeration
- House hold & Electrical application
- Stationery Goods

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Mechanical Properties			
Izod Notched Impact Strength, 1/4" bar, 0.010" Notch Radius, 23 °C (73 °F)	-	-	1.5
Tensile Stress at Yield, 23 °C	ISO 527	MPa	700
Tensile Modulus	ISO 527	MPa	2000
Flexural Strength, 23 °C	ISO 178	MPa	60
Hardness, Rockwell	-	M scale	86
Thermal Properties			
Vicat Softening Temperature, VST/A/50 (10N, 50 °C/h)	ISO 306	°C	104
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	105
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	99
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	101
Electrical Properties			
Other Properties			
Density	ISO 1183	kg/m ³	1070
Water Absorption, Saturated at 23 °C	ISO 62	%	1.65
Processing			

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Linear Mold Shrinkage	ISO 294-4	%	0.5 - 0.9

Typical values for uncolored products

SUPPLY FORM

Absolan 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, Absolan can be stored for relatively long periods of time without any change in mechanical properties. Absolan 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.