

Lustran 241

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Lustran® 241 resin is a natural, stiffer-flow, virgin blending grade of ABS (acrylonitrile butadiene styrene). It is designed for use with other high-impact ABS resins for drain, waste, and vent (DWV) pipe and fittings. Lustran ABS 241 resin in natural color (000000) meets or exceeds ASTM D 3965 1-1-2-2-2 cell class requirements. It is also listed under NSF Standard 14. As with any product, use of Lustran ABS 241 resin in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

FEATURES

- High Impact
- Natural color
- Meets or exceeds ASTM D 3965 1-1-2-2-2 cell classification
- Listed under NSF Standard 14

APPLICATIONS

- DWV for pipe and fittings

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 220 °C/10 kg	ASTM D 1238	g/10 min	15
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	2.6
Izod Notched Impact Strength, -30 °C (-22 °F)	ASTM D 256	ft-lb/in	1.5
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6000
Tensile Modulus	ASTM D 638	psi x 10 ³	360
Thermal Properties			
DTUL @ 264 psi - Annealed	ASTM D 648	°F	216
Other Properties			
Density	ASTM D 792	lb/in ³	1.05
Processing			
Drying Temperature	-	°F	175
Drying Time	-	h	2 - 4

Typical values for uncolored products

SUPPLY FORM

Lustran® ABS (Acrylonitrile Butadiene Styrene) resins are available in bulk railcar, bulk truckload and 726kg box quantities.

REGULATORY COMPLIANCE

Please refer to Styrolution web site or contact Styrolution Technical Service for further information.

PROCESSING

Actual processing conditions will depend on machine size, mold design, material residence time, and shot size. Please consult an INEOS Styrolution ABS technical service representative for additional information on blending for injection molding.

PRODUCT SAFETY

Safety Data Sheets and product labels provide information concerning the health and safety precautions that must be observed when handling the Styrolution products mentioned in this publication. No adverse effects on the health of processing personnel have been observed if the products are correctly processed and the production areas are suitably ventilated. For styrene, acrylonitrile, alpha-methyl styrene, maleic anhydride and 1, 3-butadiene, the maximum allowable workplace concentrations must be observed according to current local and federal regulations. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. This information is available in safety data sheets and on product labels. If there are questions or concerns, consult your Styrolution representative or contact the Product Safety and Regulatory Affairs Department at Styrolution.

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.
