INEOS STYROLUTION

Lustran E112LG

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Lustran® E112LG resin is a low-gloss, medium-impact extrusion grade of ABS (acrylonitrile butadiene styrene). It has good melt strength for extrusion and thermoforming, and can be easily coextruded. It is easy to color with ABS color concentrates.

FEATURES

- Low gloss
- Medium impact
- Ease of coloring
- Good melt strength for xtrusion and thermoforming
- Easily coextruded

APPLICATIONS

- Motor vehicle dashboards
- Interior panels and trim
- Recreational vehicles, cars, trucks, construction vehicles, forklifts and farm equipment

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	7
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	11
Charpy Notched Impact Strength, -10° C	ISO 179/1eA	kJ/m²	10
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m²	9
Tensile Stress at Yield, 23 °C	ISO 527	MPa	28
Tensile Strain at Yield, 23 °C	ISO 527	%	2.9
Tensile Stress at Break, 23 °C	ISO 527	MPa	32
Tensile Strain at Break, 23 °C	ISO 527	%	75
Tensile Modulus	ISO 527	MPa	1600
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	95
Optical Properties			
Specular Gloss, 60 °	-		< 10
Other Properties			
Density	ISO 1183	kg/m³	1.04

Contact us:
INSTY.emea@ineos.com
www.ineos-styrolution.com

Revision Date: 2016.04.28

Lustran E112LG

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
Processing			
Drying Temperature	-	°C	80
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

To obtain an optimum balance of sheet gloss and mechanical properties, the extruder profile should be set to deliver polymers at a melt temperature between 420° and 465°F (215° and 240°C).

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 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.

Contact us:
INSTY.emea@ineos.com
www.ineos-styrolution.com