INEOS STYROLUTION

Triax 1315

Acrylonitrile Butadiene Styrene / Polyamide (ABS/PA)

TECHNICAL DATASHEET

DESCRIPTION

Triax 1315 is an ABS (Acrylonitrile Butadiene Styrene) polyamide alloy with glass reinforcement for injection molding

FEATURES

- Excellent processability
- Good chemical resistance
- Excellent abrasion resistance
- UL 94HB certified

APPLICATIONS

- Housings, shrouds
- Lawn and garden equipment
- Automotive interior functional components
- Automotive shrouds and housings
- Power tools

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 250 °C/5 kg	ASTM D 1238	g/10 min	3.5
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	2.1
Izod Notched Impact Strength, -40 °C (-40 °F)	ASTM D 256	ft-lb/in	1.3
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	10900
Tensile Modulus (MD)	ASTM D 882	psi	6700
Flexural Modulus, 23 °C	ASTM D 790	psi x 10^3	545
Hardness, Rockwell	ASTM D 785	R scale	101
Maximum Force, FM - Penetration Test, -30 °C	-	-	3.5
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	390
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	207
DTUL @ 66 psi - Unannealed	ASTM D 648	°F	334
Coefficient of Linear Thermal Expansion	ASTM D 696	10^{-4}/°F	0.25
Optical Properties			
Specular Gloss, 60 °	ASTM D 523		26

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Property, Test Condition	Standard	Unit	Values
Other Properties			
Density	ASTM D 792	lb/in³	1.17
Processing			
Melt Temperature Range	-	°F	460 - 520
Mold Temperature Range	-	°F	100 - 150
Linear Mold Shrinkage	ASTM D 955	in/in	0.0045

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

Triax 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.

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.

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