



Lustran® 752

INEOS Styrolution - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

Product Description

Lustran® 752 resin is a high-gloss, high-impact extrusion grade of ABS (Acrylonitrile Butadiene Styrene) with improved depth of image and gloss in extruded sheet and thermoformed parts. It provides a superior balance between rigidity and impact strength, as well as excellent melt strength for good thermoformability.

FEATURES

- High gloss
- High impact strength
- Improved depth of image
- Easy to color with ABS color concentrates
- UL 94 HB rated
- Excellent melt strength for good thermoformability

APPLICATIONS

- Carrying cases
- Table tops
- Profile extrusions
- Wall panels

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Features	• Good Colorability • High Gloss	• High Impact Resistance • High Melt Strength
Uses	• Profiles	• Wall Panels
Automotive Specifications	• FORD ESB-M4D385-A	
Forms	• Pellets	
Processing Method	• Extrusion • Profile Extrusion	• Sheet Extrusion • Thermoforming

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (230°C/3.8 kg)	1.7	g/10 min	ASTM D1238
Molding Shrinkage - Flow	4.0E-3 to 6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	240000	psi	ASTM D638
Tensile Strength (Yield, 73°F)	4900	psi	ASTM D638
Flexural Modulus (73°F)	290000	psi	ASTM D790
Flexural Strength (5.0% Strain)	7500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-22°F	3.6	ft-lb/in	
73°F	8.5	ft-lb/in	

Lustran® 752

INEOS Styrolution - Acrylonitrile Butadiene Styrene

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	194	°F	ASTM D648
Deflection Temperature Under Load (66 psi, Annealed)	219	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	171	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Annealed)	214	°F	ASTM D648
CLTE - Flow	5.2E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	90		ASTM D523

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	175	°F
Drying Time	2.0 to 4.0	hr
Melt Temperature	420 to 465	°F

Notes

¹ Typical properties: these are not to be construed as specifications.