



Lustran® 620

INEOS Styrolution - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

Product Description

Lustran® 620 is a high modulus, HFC 134a and HCFC 22 resistant extrusion grade resin designed for refrigerator door and food liners. It offers good melt strength and deep draw formability for superior material distribution in large complex parts.

FEATURES

- Superior deep draw formability for large complex parts
- Good melt strength
- High tensile modulus
- HFC 134a and HCFC 22 resistant
- UL 94 HB rated

APPLICATIONS

- Refrigerator doors
- Food liners

General

Material Status	• Commercial: Active
Availability	• Latin America • North America
Features	• Good Melt Strength
Uses	• Appliances • Liners
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	380000	psi	ASTM D638
Tensile Strength (Yield, 73°F)	5600	psi	ASTM D638
Tensile Strength (Break, 73°F)	4600	psi	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus (73°F)	350000	psi	ASTM D790
Flexural Strength (5.0% Strain)	10200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°F	1.7	ft-lb/in	
73°F	5.1	ft-lb/in	
Instrumented Dart Impact			ASTM D3763
Peak Force	300	in-lb	
Total Energy	420	in-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	208	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Optical	Nominal Value	Unit	Test Method
Gloss (60°)	98		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.