

Lustran® 620

Acrylonitrile Butadiene Styrene

INEOS Styrolution Group GmbH

Message:

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 Information			
Features	Good melt strength		
Uses	Lining		
	Electrical appliances		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	38.6	MPa	ASTM D638
Fracture, 23°C	31.7	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (5.0% Strain)	70.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	91	J/m	ASTM D256
23°C	270	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
Peak Force	33.9	J	ASTM D3763
Total Energy	47.5	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	97.8	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94
Optical	Nominal Value	Test Method
Gardner Gloss (60°)	98	ASTM D523
Extrusion	Nominal Value	Unit
Drying Temperature	79	°C
Drying Time	2.0 - 4.0	hr
Melt Temperature	216 - 241	°C

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