

Lustran® 732

Acrylonitrile Butadiene Styrene
INEOS Styrolution Group GmbH

Message:

Lustran® 732 is an extrusion grade resin designed for use in thermoformed refrigerator and freezer liner applications. It is suitable for use with 245fa PU foams.

FEATURES

- High gloss
- Good impact strength
- UL 94 HB rated

APPLICATIONS

- Appliance components
- Refrigerator and freezer liners

General Information			
Features	Highlight		
	Impact resistance, good		
Uses	Lining		
	Home appliance components		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	22.8	MPa	ASTM D638
Fracture, 23°C	28.3	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	75	J/m	ASTM D256
23°C	200	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
Peak Force	16.3	J	ASTM D3763
Total Energy	33.9	J	ASTM D3763

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	87.8	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0 - 4.0	hr	
Melt Temperature	216 - 241	°C	

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