

Lustran 732

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

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

Property, Test Condition	Standard	Unit	Values
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	3.7
Izod Notched Impact Strength, -18 °C (0 °F)	ASTM D 256	ft-lb/in	1.4
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	300
Instrumented Dart Impact (Peak force)	ASTM D 3763	in-lbs	144
Tensile Stress at Break, 23 °C	ASTM D 638	psi	4100
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	3300
Tensile Modulus	ASTM D 638	psi x 10 ³	333
Elongation, Failure	ASTM D 638	%	100
Hardness, Rockwell	ASTM D 785	R scale	82
Thermal Properties			
DTUL @ 264 psi - Annealed	ASTM D 648	°F	190
Coefficient of Linear Thermal Expansion	ASTM D 696	10 ⁻⁴ /°F	0.4
Other Properties			
Density	ASTM D 792	lb/in ³	1.06
Processing			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.006
Drying Temperature	-	°F	175

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Drying Time	-	h	2 - 4