



## Lustran® 732

### INEOS Styrolution - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

#### General Information

##### Product 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

##### General

|                   |                                       |
|-------------------|---------------------------------------|
| Material Status   | • Commercial: Active                  |
| Availability      | • Latin America • North America       |
| Features          | • Good Impact Resistance • High Gloss |
| Uses              | • Appliance Components • Liners       |
| Forms             | • Pellets                             |
| Processing Method | • Extrusion • Thermoforming           |

#### ASTM & ISO Properties <sup>1</sup>

| Physical                                              | Nominal Value    | Unit     | Test Method |
|-------------------------------------------------------|------------------|----------|-------------|
| Density / Specific Gravity                            | 1.06             |          | ASTM D792   |
| Molding Shrinkage - Flow                              | 4.0E-3 to 6.0E-3 | in/in    | ASTM D955   |
| Mechanical                                            | Nominal Value    | Unit     | Test Method |
| Tensile Modulus                                       | 333000           | psi      | ASTM D638   |
| Tensile Strength (Yield, 73°F)                        | 3300             | psi      | ASTM D638   |
| Tensile Strength (Break, 73°F)                        | 4100             | psi      | ASTM D638   |
| Tensile Elongation (Break)                            | 100              | %        | ASTM D638   |
| Impact                                                | Nominal Value    | Unit     | Test Method |
| Notched Izod Impact                                   |                  |          | ASTM D256   |
| 0°F                                                   | 1.4              | ft-lb/in |             |
| 73°F                                                  | 3.7              | ft-lb/in |             |
| Instrumented Dart Impact                              |                  |          | ASTM D3763  |
| Peak Force                                            | 144              | in-lb    |             |
| Total Energy                                          | 300              | in-lb    |             |
| Hardness                                              | Nominal Value    | Unit     | Test Method |
| Rockwell Hardness (R-Scale)                           | 82               |          | ASTM D785   |
| Thermal                                               | Nominal Value    | Unit     | Test Method |
| Deflection Temperature Under Load (264 psi, Annealed) | 190              | °F       | ASTM D648   |
| CLTE - Flow                                           | 4.0E-5           | in/in/°F | ASTM D696   |
| Flammability                                          | Nominal Value    | Unit     | Test Method |
| Flame Rating                                          | HB               |          | UL 94       |

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### Processing Information

| Extrusion          | Nominal Value | Unit |
|--------------------|---------------|------|
| Drying Temperature | 175           | °F   |
| Drying Time        | 2.0 to 4.0    | hr   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.