

LUSTRAN[®] Guardian[™] ABS 732

ABS

Extrusion Grade

Product Description

Lustran Guardian ABS 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. As with any product, use of Lustran Guardian ABS 732 resin in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Typical Properties*	ASTM Test Method (Other)	Lustran [®] 732 ABS Resin
General Specific Gravity, white Critical Strain (50/50 CO/OA), 73°F Rockwell Hardness, R Scale	D 792 (Stolki) D 785	1.06 >1.0% 82
Mechanical Tensile Stress at Yield, 73°F Tensile Stress at Fail, 73°F Tensile Modulus, 73°F Elongation at Fail, 73°F Impact Strength: 73°F 0.125-in Thickness 0°F 0.125-in Thickness Multiaxial Impact, Driven Dart (0.5-in dart, 1.5" ring) 73°F E _{tot} 0°F E _{tot}	D 638 D 638 D 638 D 638 D 256 (CEAST)	3,300 lb/in ² 4,100 lb/in ² 333,000 lb/in ² 100% 3.7 ft-lbs/in 1.4 ft-lbs/in 25 ft-lbs _f 12 ft-lbs _f
Thermal Heat Deflection Temperature, Annealed 264 psi Coefficient of Linear Expansion -22°F to 86°F	D 648 D696	190°F 4.0 x 10 ⁻⁵
Flammability** Flame Class Rating 1.0 mm	(UL94)	HB