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enlighten-u[®] microcellular polyurethane

U5E26

Cast on 10 mil PET film
 Typical Physical Properties

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, lb./ft ³ (kg/m ³) Tolerance, %	ASTM D3574 (1,2)	25 (400) ± 10
Foam Thickness Tolerance, inches (foam & PET Film)	(4)	± 0.0015
Standard Color (Pantone® code)		Royal Blue (0647)
Compression Force Deflection, psi (Typical) Typical psi (kPa)	ASTM D3489 at 25% compression	14 - 24 (96 - 166) 20 (138)
Compression Set, % max.	ASTM D3574-D (1,3) at 50% compression, 73°F (23°C)	5
	ASTM D3574-D (1,3) at 50% compression, 158°F (70°C)	8

The data reported above is for foam only. The table below shows typical physical property data for the PET film as reported by the manufacturer.

PROPERTY	TEST METHOD	VALUE
Thickness, inches	ASTM E-252	0.010
Density, pcf (g/cm ³)	ASTM D-1505	87 (1.4)
Tensile Strength, Machine Direction, psi (kg/cm ²)	ASTM D-882	25,000 1800
Ultimate Elongation, Machine Direction, %	ASTM D-882	150
Shrinkage, Machine Direction, % Cross-Machine Direction, %	ASTM D-1204 30 min. at 150°C	2.5 max. 2.5 max.
Coefficient of Friction (A/B), Kinetic	ASTM D 1894	0.5

- (1) Sample size is 1.5 inch diameter by approximately 0.5 inch stack height
- (2) All metric conversions are approximate
- (3) Ct calculation, percent of original thickness
- (4) ASTM D3574 method with the following exceptions: 1.5 inch diameter foot on digital thickness indicator with a force loading of 0.9 Newtons (91.8 grams-force) plus the 30 gram weight of the foot

NOTE: Information of a technical nature is based on laboratory tests which either GRISWOLD LLC conducts or sends to an independent laboratory for testing for determination of uses as requested in writing by customer. GRISWOLD LLC believes these to be reliable. However, GRISWOLD LLC has no control over the application of the material to, or part of, the final product and therefore, GRISWOLD LLC makes **no express or implied warranty of result, fitness or merchantability**. The customer should determine reliability for the end use or particular application.