



Material Specification Sheet

Material Number: 17810

Description: 3.1# 33 IFD Flexible Polyether Open Cell High Resilient Foam

Product Summary: This open celled flexible polyurethane foam is a high resilient product. The cell structure and specialty raw materials used to manufacture this material allow it to provide higher flexibility than other conventional foams. Common applications include cushioning for consumer bedding / pillows, as well as medical mattresses.

Typical Physical Properties:

Property	Test Method	Value
Color	Visual	Natural White
Density	ASTM D 3574-17	2.8 – 3.4 lbs. / ft. ³
25% Indentation Force Deflection	ASTM D 3574-17 (4" specimen)	30 – 36 lbs. / 50 sq. in.
Hysteresis	ASTM D 3574-17	<20.0%
Tensile Strength	ASTM D 3574-17	>12.0 lbs. / in. ²
Elongation	ASTM D 3574-17	>90%
Tear Resistance	ASTM D 3574-17	>1.50 lbs. / lin. in.
90% Compression Set	ASTM D 3574-17	<10.0%
Resilience	ASTM D 3574-17	>50.0%
Flammability	CA/TB117-2013	Pass

CertiPUR-US®



The data, including flammability ratings, presented in this Material Specification Sheet is for reference only and reflects typical properties and characteristics obtained under controlled test conditions. FFT excludes any expressed or implied warranties of fitness for a particular application or purpose. The user has the responsibility to determine fitness for use and assumes all risk and liability for that particular application. The data reflected in this bulletin is subject to change. Please contact FFT to verify current status.