

# SHOCK PROTECTION WITH A SLIM PROFILE

## CONFOR TF Thin Foam

New high damping, conformable CONFOR™ TF ultra-thin polyurethane foam enables thin sleek designs, while protecting critical components and improving overall device reliability. CONFOR™ TF can help you create great things in small packages.

**New**



Imagine razor thin durable designs



### Features

- Thin (0.1 mm and 0.2 mm)
- Excellent damping
- Conformable
- Low compression set
- RoHS Compliant
- Halogen Free\*
- PSA options available

### Advantages

- Shock absorption and protection
- High performance damping reduces vibration and noise
- Custom shapes and parts

### Benefits

- Increases device durability and performance
- Enables razor thin designs
- Provides design flexibility

### Applications

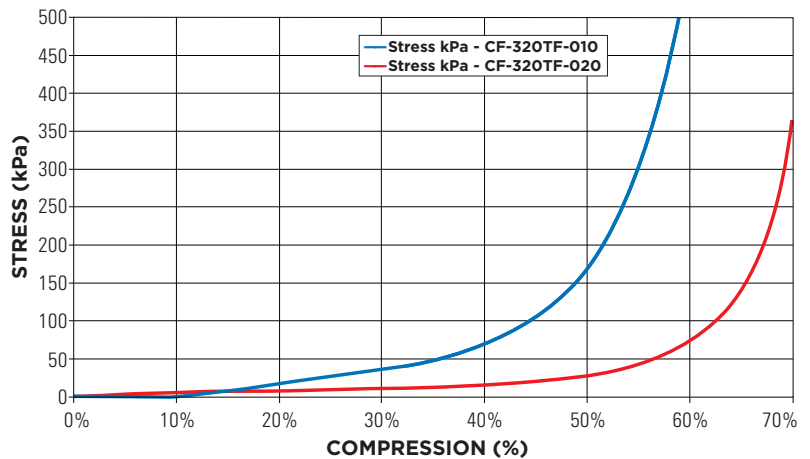
- Consumer Electronics / Electronic Devices
- Critical component cushioning
- Battery cushioning and shock absorption
- Damage prevention
- Display and camera module protection
- High value component protection

TYPICAL PROPERTIES	CF-320TF-010	CF-320TF-020
<b>Density, kg/m<sup>3</sup> (lb/ft<sup>3</sup>)</b> Foam PET Carrier	320 (20) 1400 (87)	320 (20) 1400 (87)
<b>Thickness (mm)</b> Foam (mm) PET Carrier (mm)	0.1 0.087 0.013	0.2 0.187 0.013
<b>Peak Tan Delta</b> Torsional DMA 10 Hz	1.2	1.2
<b>Peak Tan Delta Temp °C</b> Torsional DMA 10 Hz	21	15
<b>Glass Transition Temp °C</b> Torsional DMA 10 Hz	10	6
<b>Tensile Strength kg/in</b> ASTM D471	3.2	3.2
<b>Tear Strength N</b> ASTM D3574-03 Test F	5	5
<b>Tensile Modulus (MPa)</b> ASTM D471 at 20% Strain	54	27
<b>Elongation (%)</b> ASTM D471	80	80
<b>Compression Set (%)</b> ASTM D3574-03 Test D 50% Compression 22 hours at 22°C (72°F)	<10	<2
<b>Compression Force Deflection kPa (psi)</b> ASTM D 3574-03 Test C Modified @ 20% Compression @ 50% Compression	17 (2.4) 170 (25)	8 (1.2) 28 (4.1)
<b>RoHS Compliant</b>	Yes	Yes
<b>Halogen Free*</b>	Yes	Yes

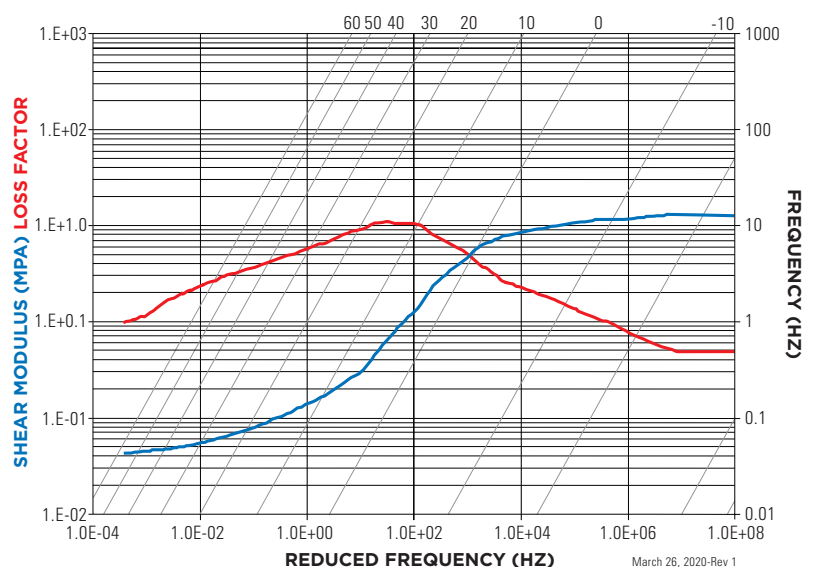
The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

\*Halogen Free per IEC 61249-2-21

CONFOR TF - COMPRESSIVE FORCE DEFLECTION



NOMOGRAM - CONFOR TF-320-020



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