

FPL07515

Open Cell Impact Absorbing Foam



Product Description

EndoChem FPL07515 foam is a open cell polyurethane foam with excellent damping properties and low compressive force.

Features

- High Damping Material
- Low Compression Set
- Halogen Free
- ROHS

Applications

EndoChem FPL07515 foam is typically used for electronic applications requiring protection against shock and vibration while providing little push back force within the applied environment.

Typical Properties

Part Number	FPL07515
Available Thickness (mm)	1.50+
Density (kg/m ³) ASTM D3574	75
Asker F Hardness JIS K6400	15
Tensile Strength (KPa) ASTM D3574	30
Tear Strength (kN/m) ASTM D3574	0.15
Elongation (%) ASTM D3574	≥ 110
Compression Set (%) 25°C @ 50% RH for 22hrs	< 5
Peak Damping @ 10Hz (Loss Factor)	1.00 @ 15°C
Operating Temperature (°C)	0 to 70
RoHS Compliance	Yes
REACH Compliance	Yes
Halogen Free	Yes
UL 94 Flammability Rating	HF-2

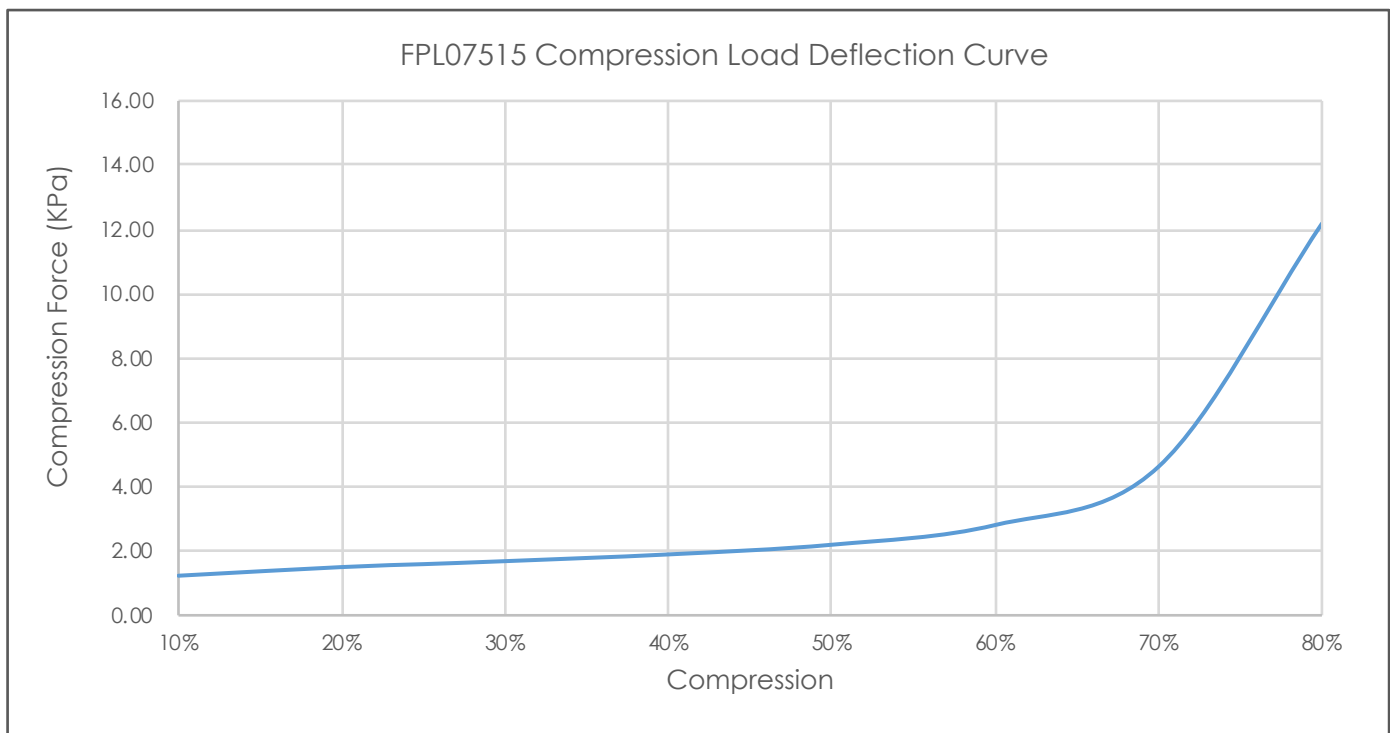
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Typical Properties Continued

Compression Load Deflection - ASTM D3574	
Force at 10% compression (kPa)	1.23
Force at 20% compression (kPa)	1.50
Force at 30% compression (kPa)	1.68
Force at 40% compression (kPa)	1.89
Force at 50% compression (kPa)	2.20
Force at 60% compression (kPa)	2.81
Force at 70% compression (kPa)	4.62
Force at 80% compression (kPa)	12.18

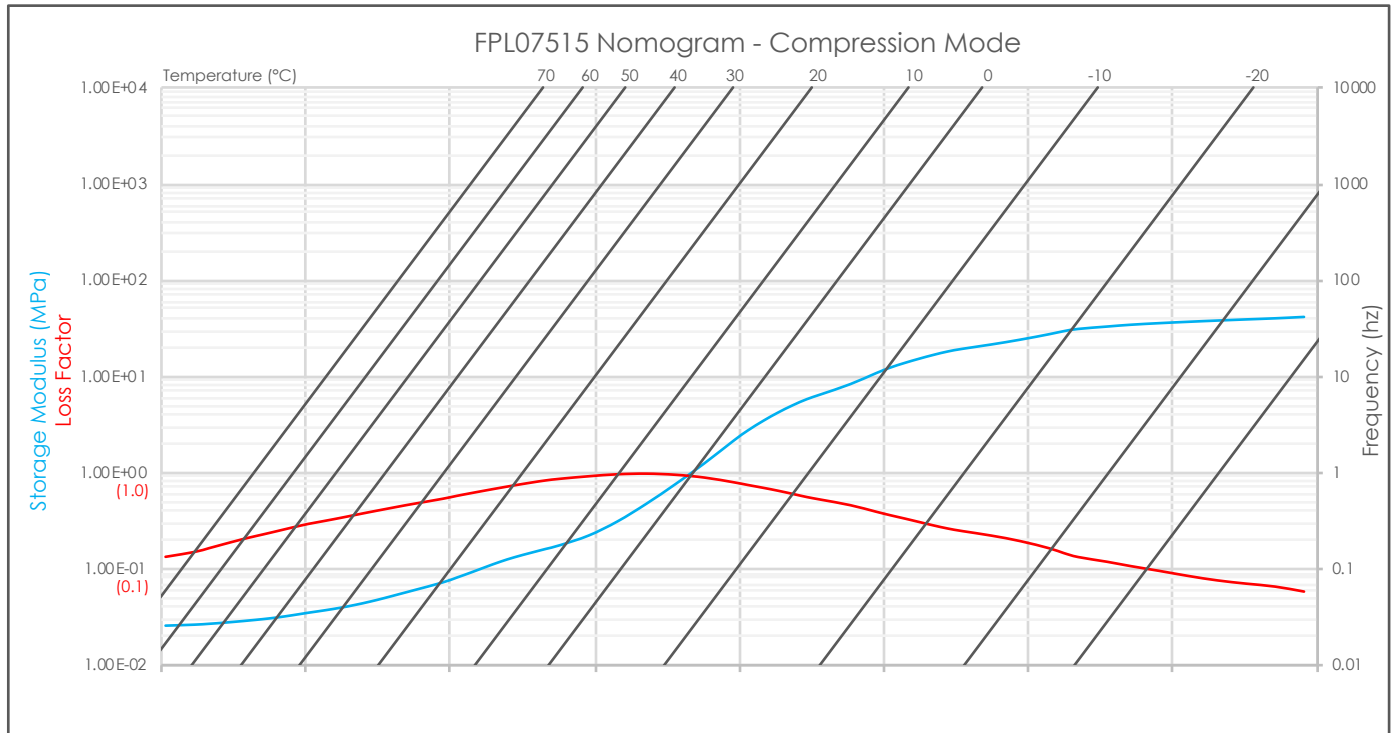


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Typical Properties Continued



Storage and Shelf Life

Recommended storage in a temperature controlled room at 18-25°C with a 50% nominal relative humidity. Under these conditions, shelf life is good for up to 12 months from the date of manufacture.

Warranty and Disclaimer: The user is solely responsible for evaluating the product and determining whether it is acceptable for use and suitable for the user's method of application. EndoChem warrants that each product meets the applicable EndoChem product specification at the time of shipment. If the EndoChem product does not conform to this warranty, then the sole and exclusive remedy is, at EndoChem's option, replacement of the product or refund of the purchase price.

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