

RN200 SERIES

Damped Rubber



Product Description

EndoChem RN200 Series is a compression molded damped synthetic rubber.

Features

- High Damping Performance @ Lower Temps
- Low Compression Set
- REACH / ROHS Compliant
- Halogen Free

Applications

EndoChem RN200 Series Damped Rubber is typically used for applications in consumer electronics, medical equipment, automotive and industrial markets that require high anti-shock and anti-vibration performance in a small form factor.

Typical Properties

Product Line	RN225	RN235	RN245
Hardness ASTM D2240 Type A Durometer 15 Sec. Impact @ 23°C	25	35	45
Density (g/cm ³) ASTM D792	1.16	1.18	1.19
Tensile Strength (MPa) ASTM D412 Die C	4.52	6.91	9.64
Tear Strength (kN/m) ASTM D624 Die C	10.34	15.78	20.64
Elongation (%) ASTM D412 Die C	> 500	> 500	> 500
Compression Set (%) ASTM D395 Method B 22 hrs @ 25°C	10.0	18.8	12.5
Damping Performance @ 10Hz	1.85 @ -11°C	1.50 @ -8°C	1.36 @ 7°C
Operating Temperature (°C)	0 to 70	0 to 70	0 to 70
UL94 Flammability	HB	HB	HB
RoHS Compliance	Yes	Yes	Yes
REACH Compliance	Yes	Yes	Yes
Halogen Free	Yes	Yes	Yes

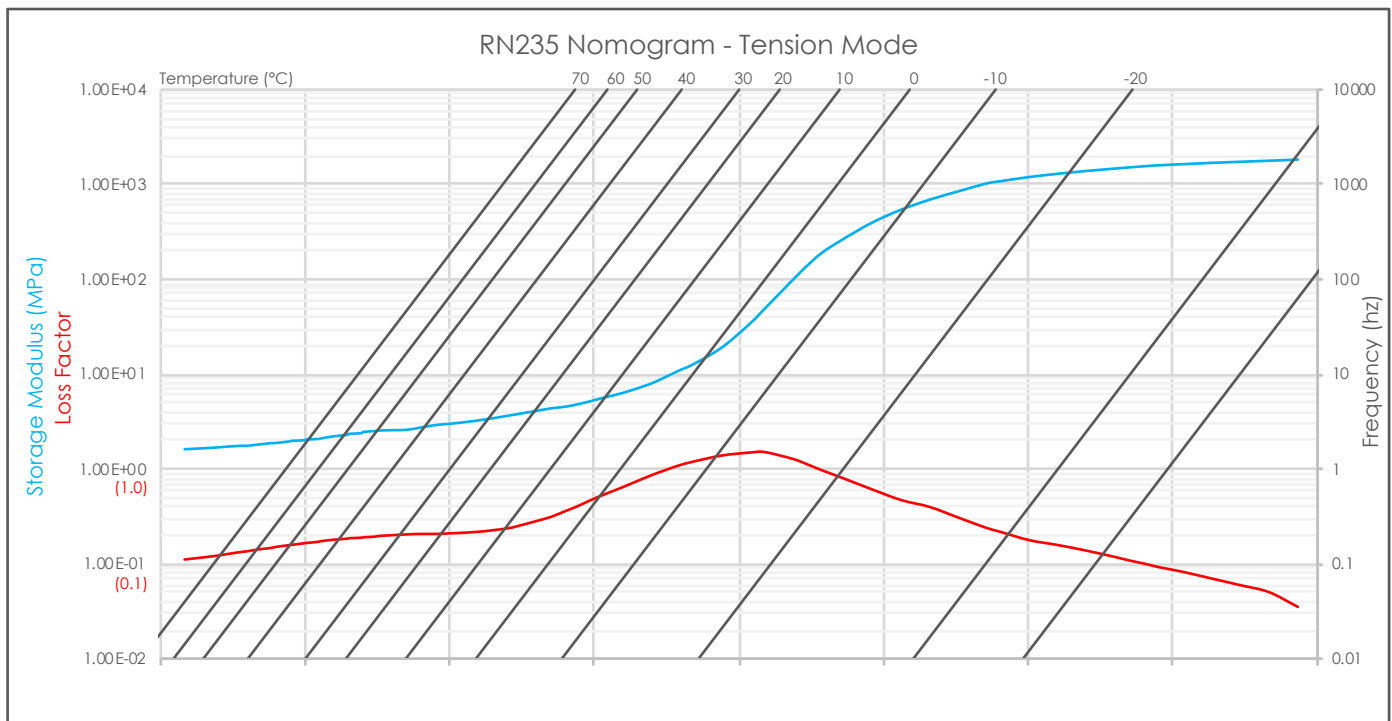
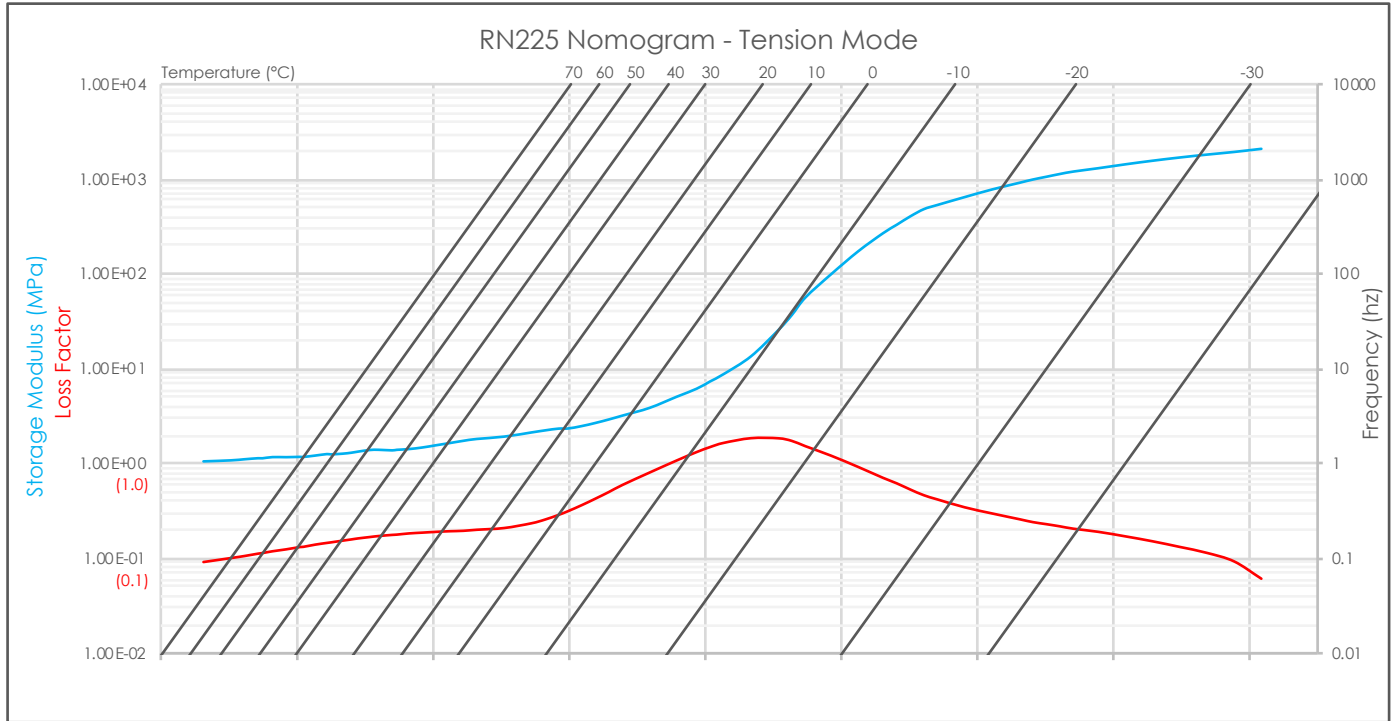
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Typical Properties Continued

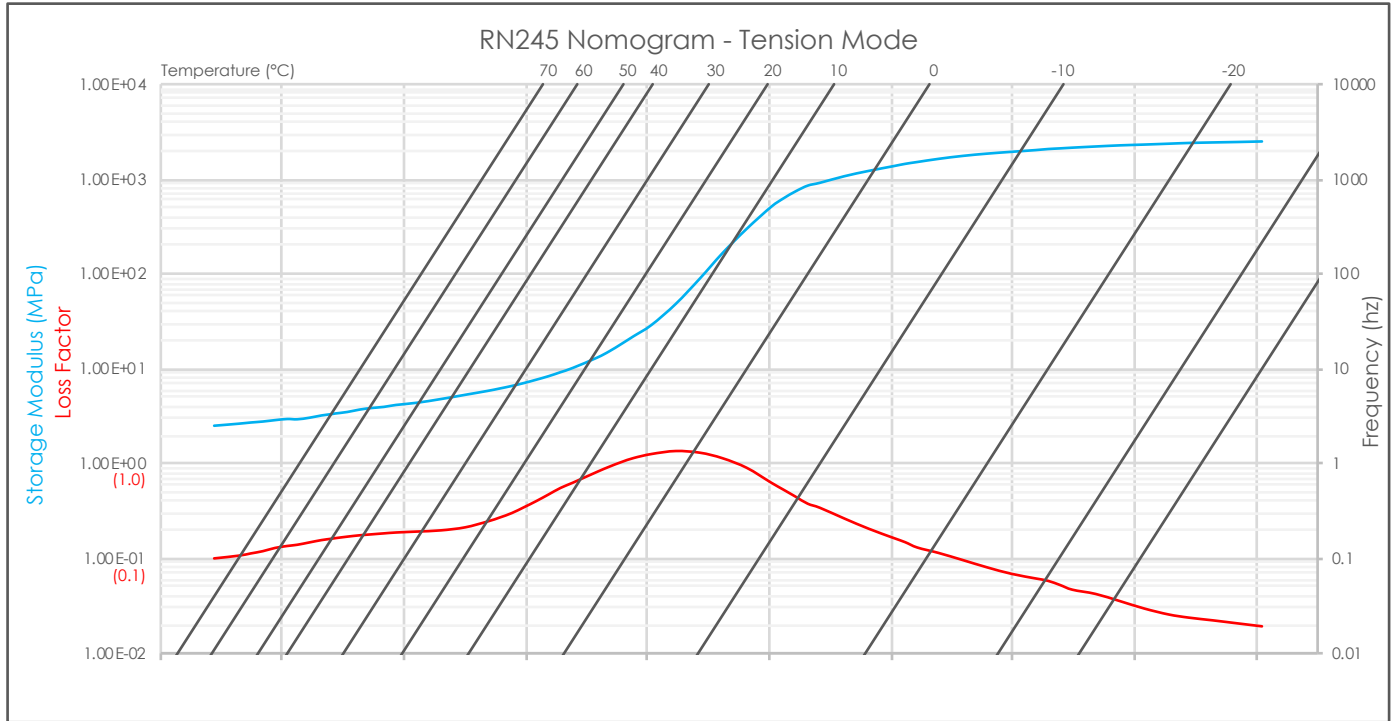


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Typical Properties Continued



Compression Load Deflection - ASTM D575 10mm/min			
Product Line	RN225	RN235	RN245
Force at 10% compression (MPa)	0.36	0.61	0.94
Force at 20% compression (MPa)	0.79	1.25	1.92
Force at 30% compression (MPa)	1.42	2.15	3.26
Force at 40% compression (MPa)	2.43	3.63	5.35
Force at 50% compression (MPa)	4.18	6.19	8.80

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.

Limitation of Liability: Except where prohibited by law, EndoChem will not be liable for any loss or damage arising from the EndoChem product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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