

Norseal[®] TRP1200

Saint-Gobain[®] Norseal[®] TRP1200 is a modified silicone foam that has been designed and engineered by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business as the newest material technology combining two critical functions into one product.

In normal operating conditions, it manages the volume changes of cells by maintaining an optimal compression level, keeping battery cells within a defined range of compression throughout the life of the battery pack. In the event of a thermal runaway, **Norseal** TRP1200 helps mitigate heat propagation to adjacent cells.

Norseal TRP1200 can be combined with other layers such as an additional thermal barrier to enhance thermal insulation properties.

IMPORTANT: This product is currently under development and changes to configuration may result. Please consult our experts if you are interested in this product for more details.



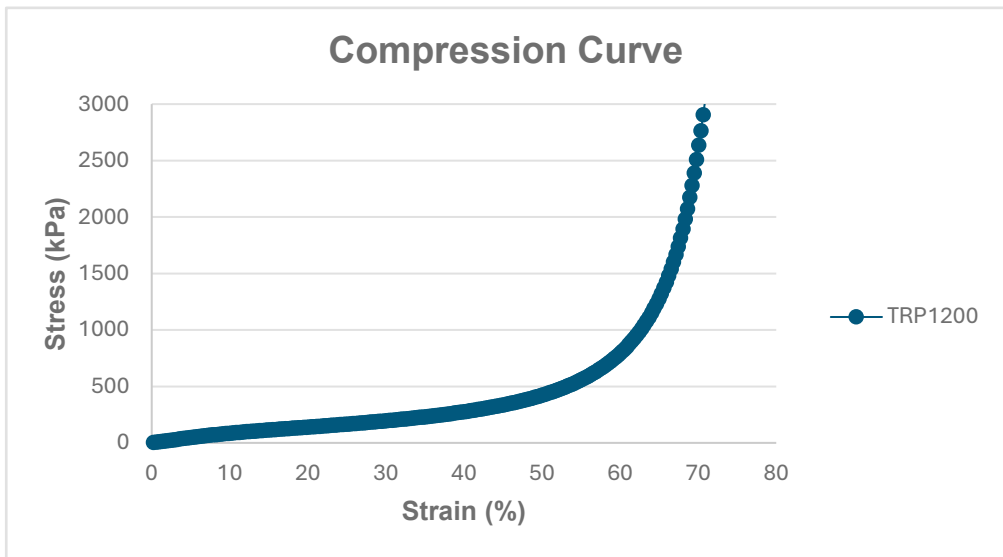
PRELIMINARY DATA SHEET

NORSEAL TRP1200 TEST DATA

Performance tests are run using standard test procedures.
The values presented are typical values and should not be used for specification purposes.

Test Item	Test Method	Value
PHYSICAL		
Density (g/cm ³)	ASTM D792	0.45±0.1
Thickness (mm)	—	1-8*
Compression Deflection, kPa at 25%	Internal	160**
Operation Temperature (°C)	—	-50 to +250
THERMAL		
Thermal Conductivity at 50°C, 10% compression (W/mK)	ASTM C518	0.08
Thermal Conductivity at 600°C, 10% compression (W/mK)	ASTM C518	0.13
Flammability	ASTM D3801 (UL94 equivalent)	V0***
ELECTRICAL		
Dielectric Strength, DC (KV/mm)	ASTM D3755	3.3
ENVIRONMENTAL		
Regulations	RoHS 2.0, REACH	Pass

- * Thickness / Stiffness can be customized.
- ** Compression curve tested at a slow (quasi-static) strain rate.
- *** ≥3mm thickness per Internal screening.



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IMPORTANT INSTRUCTIONS

Because **Saint-Gobain** cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

Date published: Thursday, June 11, 2026

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