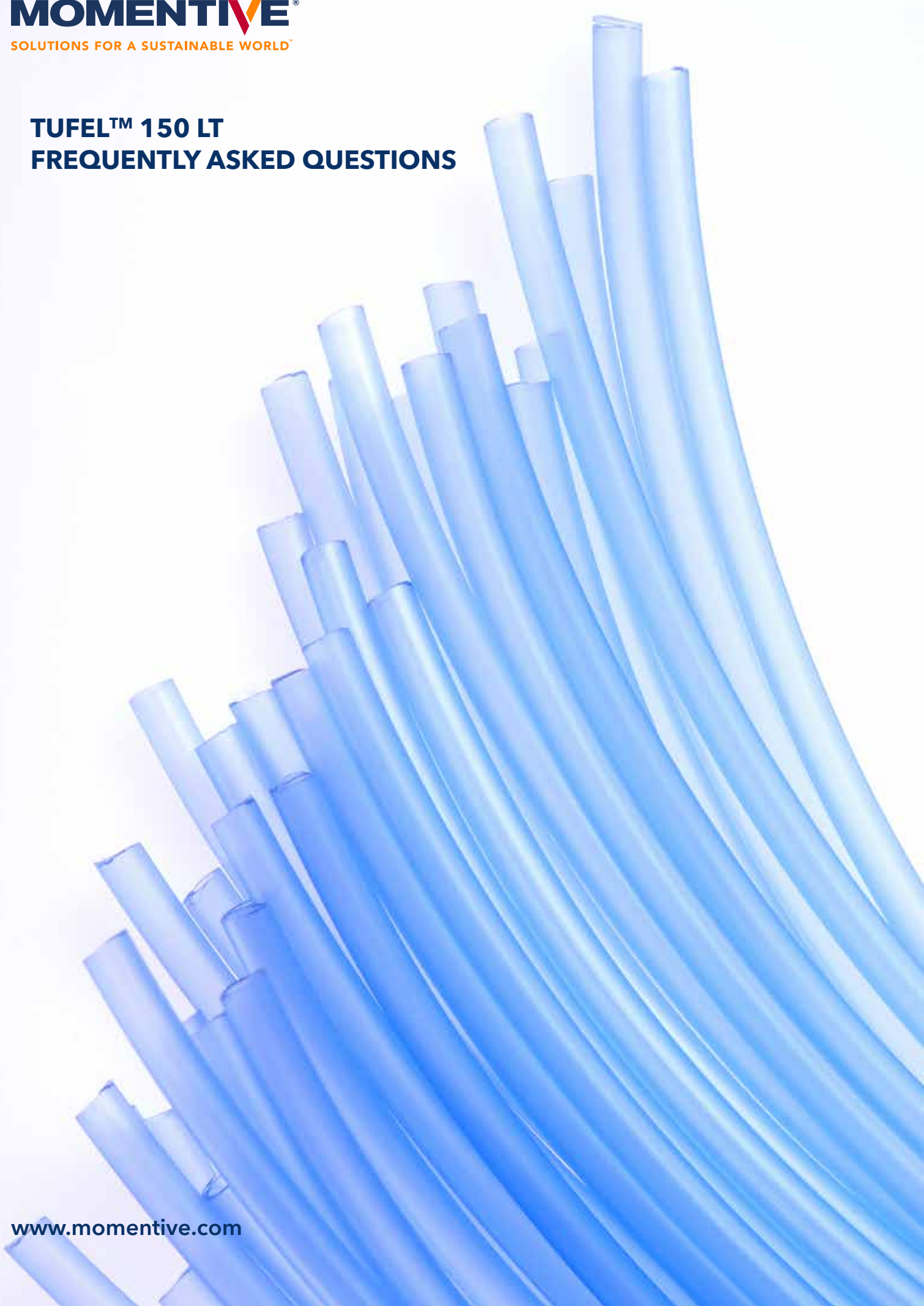


**TUFEL™ 150 LT  
FREQUENTLY ASKED QUESTIONS**





**Q What is the cure chemistry of this low temperature silicone heat cured rubber?**

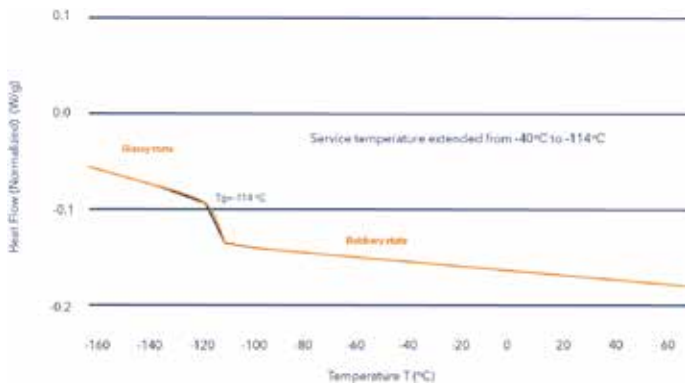
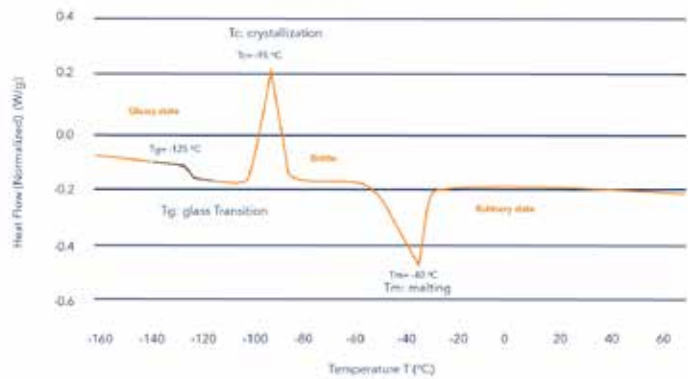
**A** Tufel 150 LT is cured by platinum which is considered superior to peroxide silicones due to its reduced leachables, high clarity and overall inertness and biocompatibility. The catalyst is designed to yield rapid cure for extrusion applications. Sulfur or amine containing additives will inhibit the cure, so it is essential to maintain an environment free from these materials when working with this grade.

**Q How is this material different from Momentive’s Tufel II or Tufel III?**

**A** Tufel 150 LT is designed for low temperature applications operating down to -114°C. A standard high consistency silicone rubber may become brittle and potential crack at low temperatures, but Tufel 150 LT disrupts crystallization and maintains elastomeric (rubber-like) properties offering a wider service temperature range for the part.

**Standard Silicone DSC**

General purpose silicone does not disrupt the eventual crystallization of the polymer and may become brittle at -40°C, and no longer has the properties of an elastomer (rubber-like).



**Tufel 150 LT Silicone DSC**

Tufel 150 LT disrupts crystallization and maintains elastomeric (rubber-like) properties until -114°C, offering a wider service temperature range.



**Q How is this material supplied?**

**A** Tufel 150 LT comes in a 50lb or 1000lb kit which includes the base material and catalyst designed to be mixed using a 99:1 ratio of base to catalyst.

**Q What about physical properties?**

**A** Tufel 150 LT has the following properties when catalyzed with 1.0pphr of CA-8 per 99pphr of base compound. More technical information can be found on our technical datasheet (provide link)

ASTM Method	Press Cure - 10 minutes @ 177°C (350°F)	Tufel 150 LT
D-2240	Hardness, Durometer A	45
D-412	Tensile Strength, PSI	1440
D-412	Elongation, %	800
D-624	Tear Resistance, Die B, PPI	280
D-412	Tensile Modulus @100% PSI	145

**Q Is this material tested for biocompatibility?**

**A** Representative samples of Tufel 150 LT have been tested for biocompatibility per ISO 10993 and USP Class VI test standards.

**Q How do I get material to test?**

**A** You can request sample material via our portal. Alternatively, you can share your contact details with us by clicking on the "contact us" link and we can get in touch with you.

**Please contact your local Momentive representative for further details or if you have any additional questions.**

**At Momentive we pride ourselves on creating solutions for a sustainable world.**

With more than 80+ years of experience in research, development, and production of silicone materials, Momentive has a historical legacy of commercial first-ever silicone processes and products.

Our vast product portfolio is comprised of many advanced silicone solutions, allowing us to serve several industries including automotive, aerospace, electronics, personal care, consumer products, building and construction, as well as specialized industries such as specialty fluids, silanes, and additives.

Headquartered in Waterford, New York, Momentive Performance Materials Inc., an indirect wholly-owned subsidiary of MOM Holding Company, is one of the world's largest producers of silicones and silicone derivatives.



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