DOWSIL™ 844 RTV Adhesive Sealant

Don’t sacrifice speed for adhesion

Description

Dow innovators have ended the trade-off between fast-tack application and reliable adhesion for automotive power electronic applications. DOWSIL™ 844 RTV Adhesive Sealant is a breakthrough technology that allows rapid green strength build in an alkoxy cure adhesive to enable higher throughput with best-in-class durability.

Key features and benefits:

- One-part, non-flowing moisture cure silicone adhesive
- Fast cure, fast tack
- High elongation for added stress relief
- Room temperature cure
- Fast in-line processing with blowout resistance
- Neutral alkoxy cure
- Durable adhesion to wide range of substrates
- Suitable for automated or manual dispensing
- Resistant to salt corrosion and UTH fluids

Applications requiring strong adhesion durability

- Power electronics
- ADAS technologies
- Gear and part assembly



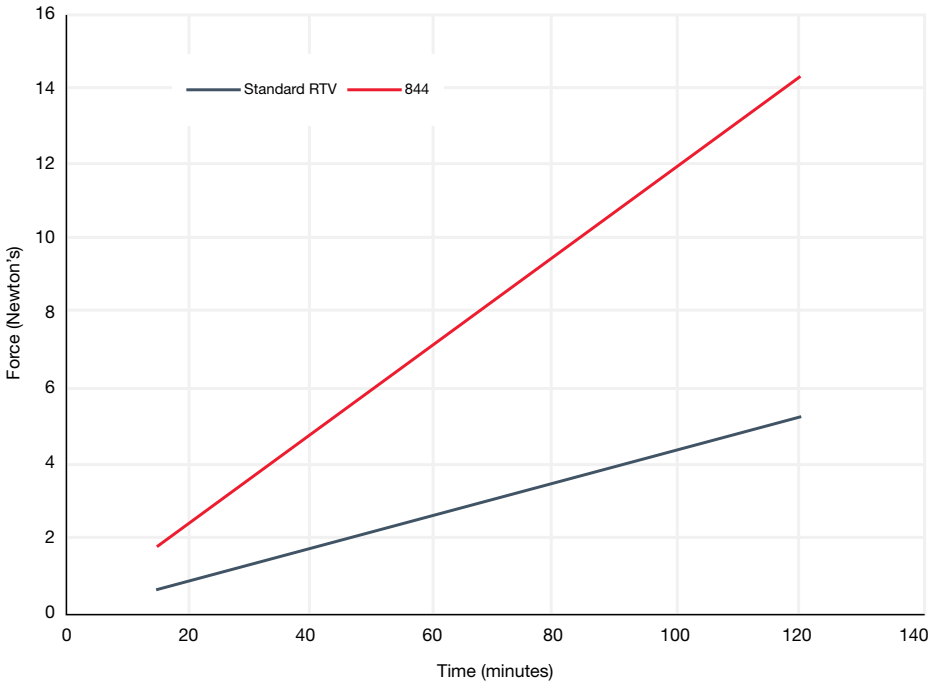
Material properties	
Extrusion rate g/min	120
Spec gravity g/cm^3	1.35
Skin over time (min)	5
Tack free time (min)	25
Durometer shore^A	37
Tensile Mpa	2.2
Elongation %	400
100% modulus Mpa	0.69
Lap shear adhesion, Al:Al (Mpa)	>1.25

These are typical properties, not to be construed as specifications

Fast tack | Green strength | Single-component | Room-temperature cure | High elongation

Lap Shear Adhesion Strength

DOWSIL™ 844 RTV Adhesive Sealant averages approximately 2-3x the green strength in early cure times of <8 hours



Learn more

We offer more than just an industry-leading portfolio of advanced silicone-based materials. As your dedicated innovation leader, we bring process and application experience, a network of technical specialists, a reliable global supply base, and world-class customer service.

To find out how we can support your applications, visit **dow.com/mobility.**

Contact Dow Support
www.dow.com/customersupport

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