L&L Products

PRODUCT FLYER

SOLUTION
L&L Tri-Seal™

VERSION
March 2021

TRI-Seal™

Torque Retention Isolation Sealing Solutions.

TRI-Seal™ introduces rigid spheres into expandable sealant materials which are used to seal interfaces where load retention and/or separation of dissimilar materials are important.

A unique feature of this product is that it is capable of addressing torque retention, isolation at dissimilar material interfaces, and sealing against water, air, and dust intrusion all at the same time.

Non-conductive Alumina spheres are used in both the dry and tacky products. Torque retention is achieved by the clamp force between substrates being supported by the rigid Alumina spheres.

For the dry to touch seal, the sealing material is thinner than the spheres to ensure the contact with the metal. As for the tacky, a thicker seal can be achieved so that the material can flow under clamp load to ensure maximum sealing coverage.

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KEY PRODUCT ATTRIBUTES

- Sealing from water, dust, and air
- <3% torque fall-off
- No conductivity or galvanic corrosion
- 0.5 mm thick
- Dry to the touch or tacky
- Can be heat-bonded (for dry solution)
- Pressure sensitive (for tacky solution)

TYPICAL APPLICATION AREAS

- Door hinges/strikers
- Hood hinges/latches
- Lift gates/tailgate hinges
- Bolted/riveted attachments

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