



Field Promotion & Technical Support  
Service  
*Adhesives, composites & tooling*

Comparison of Araldite<sup>®</sup> 2028 &  
Araldite<sup>®</sup> 2028-1

NEW PRODUCT DEVELOPMENT REPORT  
FOR

Huntsman Customers

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## I NTRODUCTION

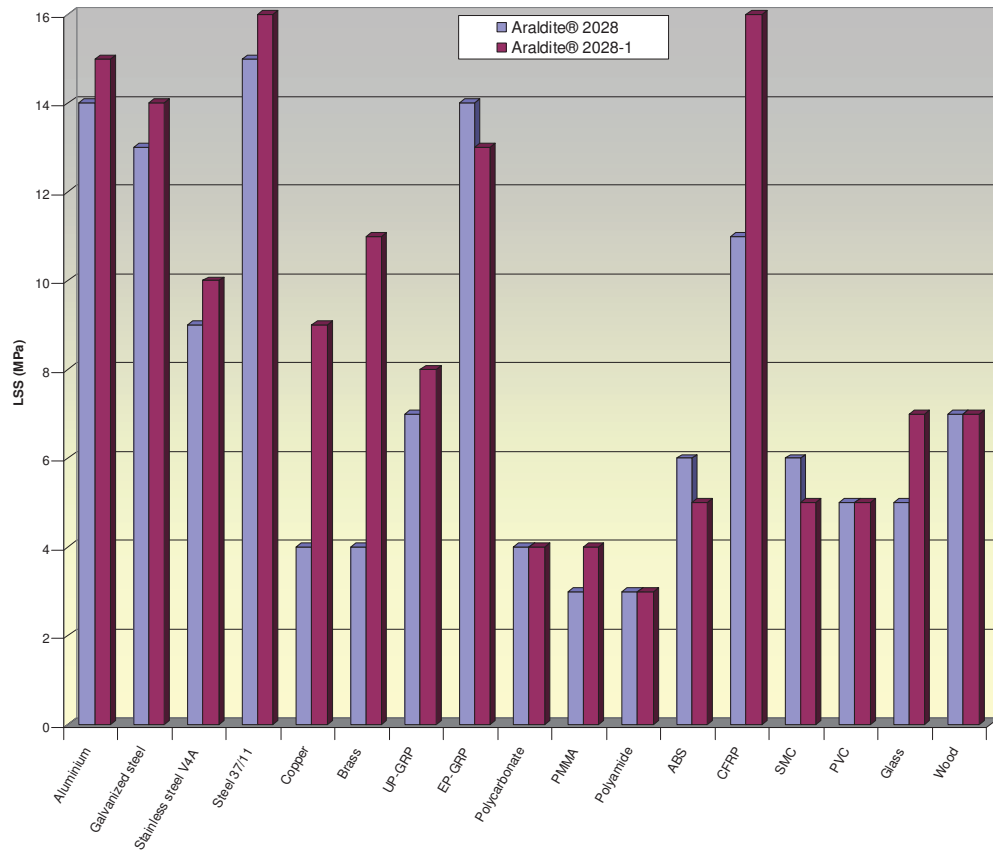
The Araldite® 2028 was slightly reformulated in order to offer our customers a product with higher transparency (clear water) & better UV resistance. Maintaining the level of performance of the current product.

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## RESULTS & DISCUSSION

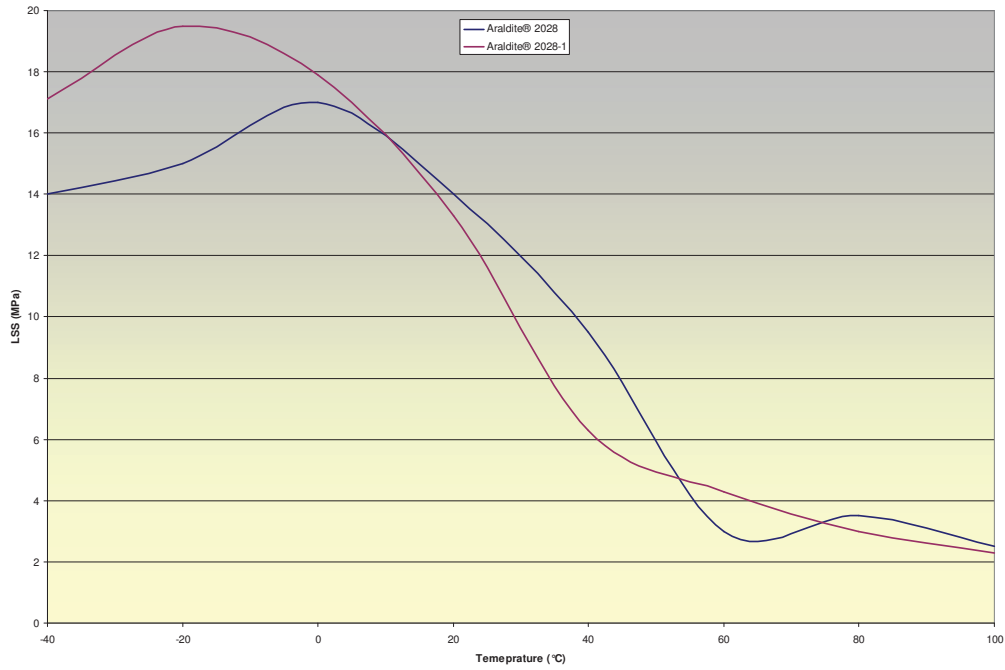
As can be seen below the both Araldite® 2028 and Araldite® 2028-1 offer very similar performances.

### Lap Shear Strength (LSS) on different substrates



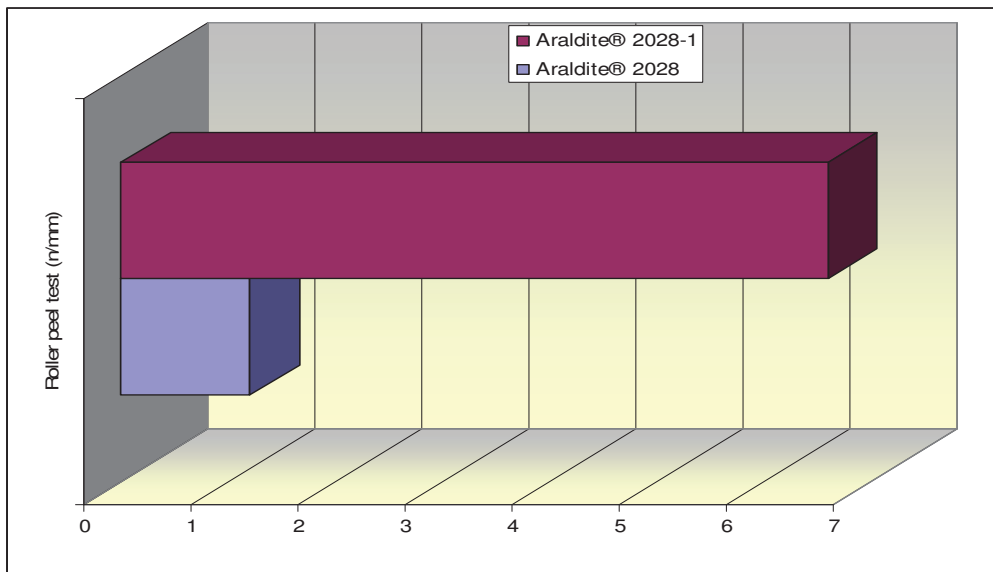
All combinations are providing similar or even better strength on the substrates tested.

### Lap Shear Strength vs temperature



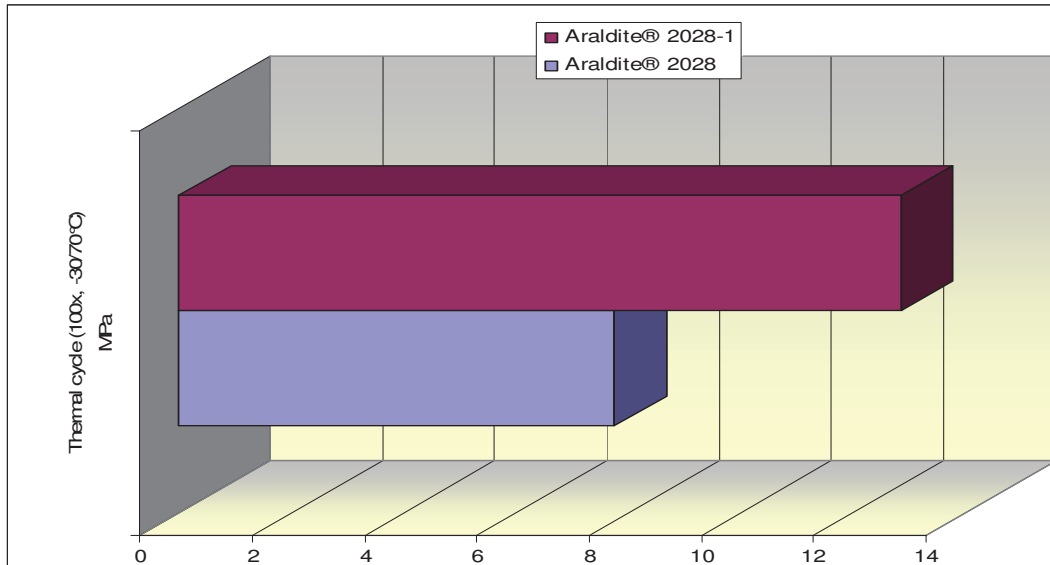
The two products are providing similar curve profiles and temperature resistance.

### Roller Peel test (N/mm)



Araldite® 2028-1 gives much better resistance in peel than Araldite® 2028.

## Thermal cycling (100 cycles of 6 hours duration from -30°C to 70°C – residual LSS in MPa)



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## CONCLUSION & RECOMMENDATIONS

As can be seen above the new Araldite® 2028-1 performs to a similar level to the previous Araldite® 2028.

Moreover, the new Araldite® 2028-1 gives better bonding properties on glass & most of current metals than the Araldite® 2028 & a better resistance to peel.

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