

Technical Data Sheet (TDS) - *ZDS™ RTV Silicone Adhesive*

Property	Test Method	Typical Value
Appearance	Visual	White / Transparent Paste
Base Polymer	-	Silicone Elastomer
Cure System	-	Room Temperature Vulcanizing (RTV)
Type	-	One-component / Two-component
Viscosity	ASTM D2196	100,000 - 300,000 cps
Skin-over Time	ASTM C679	5 - 15 minutes (23° C / 50% RH)
Cure Time (Full)	-	24 - 48 hours
Hardness (Shore A)	ASTM D2240	25 - 45
Tensile Strength	ASTM D412	≥ 2.0 MPa
Elongation at Break	ASTM D412	$\geq 250\%$
Dielectric Strength	ASTM D149	≥ 20 kV/mm
Thermal Resistance Range	-	-60° C to +300° C
Adhesion to Aluminum	ASTM D903	Excellent
Water Resistance	-	Excellent
Shelf Life	-	12 months (sealed, 25° C)