

RTV Silicones by MOMENTIVE 1-Part Adhesive Sealant RTV5818



Primary Characteristics

- ▶ Translucent Paste
- ▶ **Fast cure**
- ▶ Modified alkoxy (neutral) cure
- ▶ UL HB Recognition
- ▶ UL File No. [E36952](#)

Features primerless adhesion to many metals, plastics, masonry, wood, glass and ceramics. Not recommended for use on polycarbonates and acrylics. Also good for marine applications. UL HB Recognition.

Fast curing, paste adhesive designed to provide quick initial adhesion build. Assembly applications requiring high productivity; suited for applications in confined spaces.

Available Sizes

Catalog Number	Sizes Available	Description
RTV5818-300ML	300mL (10 oz)	Cartridge

Specifications

Use	Adhesive Sealant Marine Application
Special Features	High strength, non-corrosive
Cross Reference	1035, RTV5812, RTV5813
Uncured Properties	
Consistency	Paste
Color	Translucent
Specific Gravity	1.04
Tack Free Time	15 min
Cure Through Time	12 - 24 hours
Useful Temp. Range	-60°C to 204°C (-75°F to 399 °F)
Cured Properties - MECHANICAL	
Hardness	21 (Shore A)
Tensile Strength	1.896 MPa (275 psi)
Elongation	500%
Tear Strength	7.1 kg/cm (40 lb/in)
Peel Strength	8 kg/cm (47 lb/in)
Cured Properties - ELECTRICAL	
Volume Resistivity	2 x 10 ¹⁵ ohm · cm
Dielectric Strength	16.8 kV/mm 425 V/mil

Dielectric Constant	2.8 @ 100 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.06 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	3.0 x 10 ⁻⁴ mm/mm/°C
Other	
Viscosity (@ 25°C)	480 g/min