

RTV854 Grey Silicone

Engineering Adhesives

DESCRIPTION

SCIGRIP RTV854 Grey is a fast cure one part RTV Sealant specially formulated for applications requiring good adhesion, excellent physical and low corrosive properties.

RTV854 is a stable silicone material that shows little physical change in high temperatures and chemical environments. It remains highly flexible and does not relax or shrink or migrate from parts.

TYPICAL PROPERTIES	
Type:	Grey Oxime Sealant
Consistency:	Non-Sag Paste
Colour:	Grey
Specific Gravity	1.25
Temp Resistance:	-55°C to 180°C
Tack free time:	7min (23°C & 65% R.H)
Cure Speed:	3mm per day (23°C & 65% R.H)

Cured Elastomer After 7 days cure at 23+/-2°C and 65% relative humidity	
Tensile Strength:	1.12MPa
Elongation at Break:	530%
Hardness:	28 Shore A
Thermal Conductivity:	0.20 W/mK
Coefficient of Thermal Expansion Volumetric:	770 ppm / °C
Linear:	257 ppm / °C
Electrical Properties	
Volume Resistivity:	5.13E+15 Ω.cm

PROPERTIES

- Good adhesion to plastics and metals and most industrial surfaces.
- Free of solvents and non-shrinking.
- Temperature resistant up to 180°C

APPLICATIONS

Joint sealant in heating installations, air-conditioning and ventilation pipes, industrial ovens, cooking stoves, engines, crank-cases, water pumps and thermostats, rocker and valve covers, oil pans, rear axle housings and intake manifolds. Bonding of materials submitted to vibrations and high temperatures.

Recommended thickness of the sealant joint is 1 to 3mm for optimum bond strength.

Joints should be left undisturbed for at least 24 hours, but preferably longer to effect sufficient depth of cure. Full cure requires 7 days.

LIMITATIONS

Avoid contact with solvent cleaners during cure.

Do not use in joints deeper than 10mm.

The colour may change after heat exposure.



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Hydrocarbon resistance should be established in tests.
Not paintable

DIRECTIONS FOR USE

Surface Preparation: Joint must be sound, clean, dry and free from oil and greases. Use A061 cleaner or a strong gasket remover.

Application: Apply with hand direct from the Powercan.

Cleaning: Clean up any excess material immediately with white spirit. Hardened sealant can only be removed mechanically or with sealant remover. Wash hands with soap and water.

STORAGE & SHELF LIFE

Store in a cool area out of direct sunlight

Shelf Life: 18 months in original unopened packaging at +5 to +25°C

PACKAGING

200ml PowerCan

HEALTH & SAFETY IN USE

Pressurised container, protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn even after use.

For further information please refer to SDS.

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