

3MG.016

Silicone-based putties



Summary

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The Duraseal™ silicone-based putties are formulated with a combination of organic and inorganic products. They protect against moisture and chemicals and are used for impregnating, forming protective coatings and finishing. They have a high dielectric strength.

Final Advanced Materials Sàrl
4 avenue de Strasbourg
68350 Didenheim – France
Tel: +33 (0) 3 67 78 78 78

Final Advanced Materials GmbH
Basler Strasse 115
79115 Freiburg – Deutschland
Tel: +49 (0) 761 47 87 336

www.final-materials.com

info@final-materials.com



Products

Duraseal™ 1531

The Duraseal™ 1531 is a putty that is resistant to high temperatures.

Properties

- No sagging
- Flexible
- Maximum operating temperature: 350 °C
- High resistivity
- Resistant to most solvents and chemicals
- Does not attack metal surfaces or electronic components

Applications

- Adhesion to metal, glass and ceramic surfaces
- Filling empty voids
- Forms flexible seals on various equipment or gaskets

Duraseal™ 1533

The Duraseal™ 1533 putty is a fluid resin that penetrates the smallest of spaces.

Properties

- Good electrical insulation
- Maximum operating temperature: -55 °C to 260 °C
- Meets UL94V-0 requirements
- Gas-tight
- Good resistance to oils, hydrocarbons, refrigerants and water

Applications

- Producing moulds, encapsulating and bonding components when repairing connectors, cables, connection boxes
- Ideal for small crevices

Implementation

- Curing in 5 to 15 minutes



Silicone-based putties

Dimensions

Item N°	Resin		Hardener	
	Mass/Volume	Containing	Mass/Volume	Containing
1531-1	300 g / 325 ml	syringe	Mono-component	
1531-2	100 g / 90 ml	syringe	Mono-component	
1533-1	0,45 kg	Bottle 8 oz. US	0,45 kg	Bottle 8 oz. US
1533-2	50 cc	syringe	50 cc	syringe
1533-3	2.2 kg	½ Gallon US	2.2 kg	½ Gallon US

Technical data

Properties	Unit	Silicone-based putties Duraseal™	
		Duraseal™ 1531	Duraseal™ 1533
Item N°		Duraseal™ 1531	Duraseal™ 1533
Max. Operating Temperature	°C	420 (340)	290 (260)
Color		gold	green
Viscosity		putty	2 900 cps
Density	g/cm ³	1.28	1.18
Elongation	%	250	135
Hardness	Shore A	31	20
Tensile Strength	MPa	1.9	4
Specific Warmth	J K ⁻¹ kg ⁻¹	1.1	1.1
Thermal conductivity at 260 °C	W.m ⁻¹ .K ⁻¹	0.29	0.22
Resistivity	Ω.m	10 ⁹	10 ¹³
Dielectric Strength	kV/m	19.5	19.5
Pot Life	minutes	30	5
Cure at room temperature		24 h	15 min
Post-curing		-	-

Physical variables included in this documentation are provided by way of indication only and do not, under any circumstances, constitute a contractual undertaking. Please contact our technical service if you require any additional information.