

Article	GEL 15/180-25/30
Date	26/11/2024
Revision	000
Document	TDS_GEL15-180_25-30_EN.pdf

GEL 15/180-25/30 A&B 1:1 is a Fast-Room-Temperature-Vulcanizing 2-component silicone elastomer. To obtain a gel with sealing and insulating properties and with high resistance to aging.

PROPERTY	TEST METHOD/ NOTES	TYPICAL VALUE
<u>PHYSICAL</u>		
Aspect	-	Fluid
Color	-	
Viscosity at 23°C	About the blended product	Approx. 260 cP
Pot life	-	25 to 30 minutes @ 23°C
Setting	-	27 to 34 minutes @ 23°C
	When the temperature increases, the pot life is reduced, and vice versa	
Exothermic temperature	-	Non-exothermic reaction
Hardness	Cone penetration ASTM D 217/C	150 to 230 1/10 mm
Density	-	Approx. 0.96 g/cc
Thermal conductivity	-	Approx. 0.2 W/mK
Continuous operating temperature	-	-60 to +200°C
Overload temperature for limited times	-	250 °C
Water absorption after 30 days of immersion	-	<< 0.05%
<u>CHEMICAL</u>		
Composition	Mixture of substances and ingredients not classified as hazardous under CLP: organosiloxanes and additives.	
UV resistance		Resistant
Mold resistance		Resistant
Halogens		Halogen-free
<u>FLAMMABILITY</u>		
Flammability class (end product)	UL 94	HB
Auto-ignition temperature	-	>400 °C
<u>ELECTRIC</u>		
Dielectric strength	-	>20 kV/mm
Dielectric Constant / Permittivity	@ 1kHz	< 5
Power factor	@ 1kHz	< 5 exp. -3
Volume resistivity	-	>2 x 10 exp. 15 Ω cm