


Article	GEL 30/340-150/240
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GEL 30/340-150/240 A&B 1:1 is a Slow-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. 180 cP	
Pot life	-	From 2h 30' to 4h @ 23°C	
Setting	-	From 3h to 5h @ 23°C	
As the temperature increases, the pot life is reduced, and vice versa			
Exothermic temperature	-	Non-exothermic reaction	
Hardness	Cone penetration ASTM D 217/C	Initial	Approx. 340 1/10 mm
		Post-aging	Approx. 290 1/10 mm
Own weight	-	Approx. 0.97 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>ELECTRICAL</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	