


Article	<b>GEL 38/360-120/210</b>
Date	26/11/2024
Revision	000
Document	TDS_GEL38-360_120-210_EN.pdf

GEL 38/360-120/210 is a Slow-Room-Temperature-Vulcanizing 2-component silicone elastomer. To obtain a single component, ready for use gel with sealing and insulating properties, with high resistance to aging. Sticky, adhesive, self-amalgamating, self-levelling and removable

PROPERTY	TEST METHOD/ NOTES	TYPICAL VALUE
<b><u>PHYSICAL</u></b>		
Aspect	-	Fluid
Color	-	
Viscosity at 23°C	On mixed product	Approx. 180 cP
Pot life	-	From 2h to 3h 30' @ 23°C
Setting	-	From 2h 30' to 4h @ 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	340 – 380 10 <sup>-1</sup> mm
Own weight	-	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%
<b><u>CHEMICAL</u></b>		
Composition	Mixture of substances and ingredients not classified as hazardous under CLP: organosiloxanes and additives.	
UV resistance		Resistant
Mold resistance		Resistant
Halogens		Halogen-free
<b><u>FLAMMABILITY</u></b>		
Flammability class (end product)	UL 94	HB
Auto-ignition temperature	-	>400 °C
<b><u>ELECTRICAL</u></b>		
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