

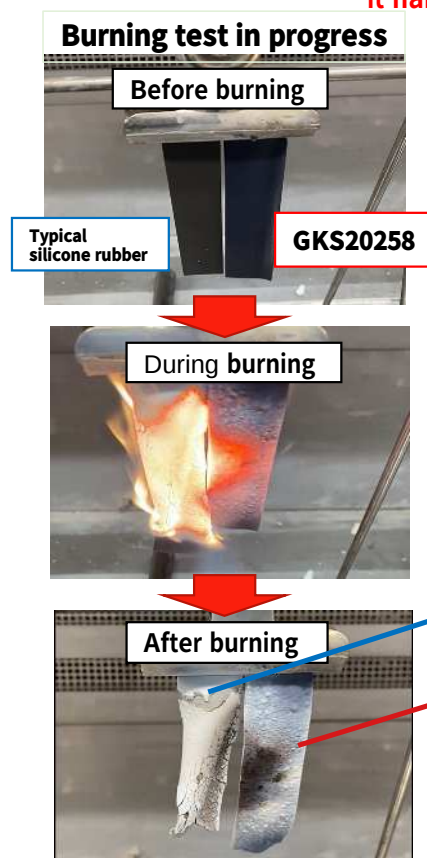
Fire-resistant Silicone Rubber

In development

Patent pending

GKS20258

Feature : Compared to standard silicone, this is superior fire-resistant rubber material. It is difficult to ignite even when exposed to flames, and when it does burn, it hardens into a ceramic-like structure.



Based on FP-12953

	Unit	Typical Silicone Rubber	GKS20258	Measuring Equipment
Hardness	-	64	77	IRHD M
Specific Gravity	-	1.3	1.5	Specific Gravity Meter
Elongation	%	380	110	Fujipoly Original*
Tensile Strength	MPa	6.6	8.0	Calculated Value
Post-Combustion Dimensional Change Rate	%	Unable to measure due to deformation	-2.8%	Test Condition 800°C × 20 min.
			-2.7%	
			167%	

* Reference Value (1mm thickness)

✓ Typical silicone rubber burns and turns into ash.

✓ GKS20258 is fire-resistant and hardens into a ceramic-like structure.
 ✓ It maintains its shape with minimal deformation even after burning.

Test condition: Subjected to combustion in atmospheric air using a gas burner for 1 minute.
 In all images, the left side shows typical silicon rubber and the right side shows GKS20258.

Note: The statements in this document are subject to change or termination without notice of improvement. GKS part number is tentative.
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