

## General Purpose Silicone Technical Data (Red)

Properties	Test Method	Values	Test Method	Values
		FPS Units		Metric Units
Specific gravity	ASTM D297	1.3	DIN 53508	1.3
Hardness	ASTM D2240	60 ± 5° Sh A	DIN 53505	60 ± 5° Sh A
Tensile strength (min)	ASTM D412	858 PSI	DIN 53504	60 KG/CM2
Elongation at break (min)	ASTM D412	200%	DIN 53504	200%
Compression set (70° c/24 hrs/25% set) (max)	ASTM D395 - METHOD B	45%	DIN 53517	50%
Tear resistance (angular) min	ASTM D624	95 Lbs/Inch	DIN 53515	17Kg/cm
<b>Change in properties</b>				
HEAT AGEING (72 hrs at 100°C)	ASTM D573			
--- Hardness (pts)		+ 1 (Max)		+ 1 (Max)
--- Tensile strength (%)		+ 5 / - 5		+ 5 / - 5
--- Elongation at break (%)		+ 5 / - 5		+ 5 / - 5
<b>Volume swell: at 70° c for 72 hrs/in</b>	ASTM D471			
ASTM oil no.1		-0.01		0.01
ASTM oil no.2		7%		7%
ASTM oil no.3		17%		17%
<b>Chemical resistance</b>				
--- Ozone	ASTM D1149	Excellent		Excellent
--- Dilute acids and bases		Excellent		Excellent
--- Concentrated acids and bases		Excellent		Excellent
--- Oils		Good		Good
--- Solvents		Fair		Fair
Temperature range		-90° to + 200°C		-90° to + 200°C
Colour		Red		Red

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