



VICONE

Compound: VicoSil 159DLK-RD		AMS3302 Silicone 50 Duro		
Physical Property	Test Method	Standard	Result	Remark
Tensile Strength Mpa	ASTMD412	≥4.83	7.9	
Elongation at break %	ASTMD412	≥200%	381	
Tensile Strength at 100% Elongation Mpa	ASTMD412	≤3.10	2.41	
Hardness Shore A	ASTMD2240	50+/-5	52	
Compression Set	ASTMD395	≤-25%	-22.8	150°C*70h
Density g/cc	ASTMD297	1.2+/-0.03	1.21	
Tear Resistance KN/m	ASTMD624	≥6.13	6.6	
Linearity contractibility %			3.6	175°C*5min
Heat Aging				
Change in Tensile Strength	ASTMD573	max -20%	-16.72	225°C*70h
Change in Elongation	ASTMD573	max -40%	-33.2	225°C*70h
Change in Hardness	ASTMD573	+/- 10	7	225°C*70h
Effect of Liquids (No.#1)				
Change in Tensile Strength	ASTMD471	≤-25%	-5.5	150°C*70h
Change in Elongation	ASTMD471	≤-20%	-6.7	150°C*70h
Change in Hardness	ASTMD471	-15--+5	-7	150°C*70h
Change in Volume	ASTMD471	0-15%	6.9	150°C*70h
Ozone / Weather resistance	ASTMD1171			50ppm*xh
Electrical resistance	ASTMD991			
Stiffening at low Temperatures	ASTMD2137	Brittleness	pass	-65°C*3min

*These specifications shall not be construed as creating an express warranty to the performance of the material. The above specifications are intended as a guideline, and may react differently under varying conditions.