



VicoSil™ 159DLK-RD

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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		
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	
Stiffening at low Temperatures	ASTMD2137	Brittleness	pass	-65°C*3min	
Compression Modulus	ISO-7743	5%	10%	20%	25%
		2.8 MPa 406 PSI	2.9 MPa 421 PSI	3.1 MPa 450 PSI	3.3 MPa 479 PSI

*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.