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Silicone Maskants

MATERIAL DATA SHEET			
Material: Silicone Rubber		Hardness: 55±5 Shore	
Criterion: HG/T 3312-1983		Sample Method:	
Standard Requirements		Test Results	
		Actual	standard
Molecular weight (ten thousand)	50-80	52	
volatile	≤3.0%	1.28	
Content of Vinyl (1g molecular)	0.07-0.22%	0.17	
Hardness (D shore A)	55±5	53	ASTM D 2240
tensile strength Mpa	≥ 6	8.5	ASTM D 412
Elongation at break (%)	≥250	380	ASTM D 412
Tear Resistance KN/M	≥9	15.8	ASTM D624
Compression set (%) 22hrs,@175	≤50	13.2	ASTM D395
Heat Aging Resistance (70hrs @225□)	Change in hardness ≤+10(D shore A)	+2	ASTM D-573 ASTM D-2240 ASTM D-412
	Change in tensile strength≤-25%	-10.4	
	Change in ultimate elongation≤-30%	-18.2	

This information is based on available data from TapeCase suppliers.