

Performance parameters of VMQ rubber

NO.	Item		Index	Test method			
				GB	ISO	ASTM	DIN
1	Color		Iron oxide red or bright red	/	/	/	/
2	Shore hardness,ShA		70±5	GB/T531.1	7619-1	D2240	53505
3	Brittleness temperature, °C		≤-60	GB/T1682	812	D2137	53546
4	Tensile strength,MPa		≥6	GB/T528	37	D412	53504
5	Elongation at failure,%		≥200				
6	Tear strength,kN/m		≥15	GB/T529	34	D624B	53506
7	Hot air compression set (compression 25%,125°C,24h),%		≤30	GB/T7759.1	815-1	D395	53517
8	Hot air aging (150°C,72h)	Hardness change,degree	0 ~ +10	GB/T3512	188	D573	53508
		Change rate of tensile strength,%	≥-20				
		Change rate of elongation at failure,%	≥-40				
9	Volume resistivity Ω·cm		≥10 ¹²	1692	IEC60093		
10	Power frequency dielectric constant,ε(50Hz)		2 ~ 4	1693	IEC60250		
11	Power frequency dielectric strength,kV/mm		≥20.0	1695	IEC60243		
12	Ozone resistance static stretching cracking	Stretch 20%,16h,40°C, Ozone concentration 500×10 ⁻⁸	No creak	GB/T7762	1431-1B	D1149	53509