

Performance parameters of NP rubber

NO.	Item		Index	Test method			
				GB	ISO	ASTM	DIN
1	Color		Black	/	/	/	/
2	Shore hardness,ShA		70±5	GB/T531.1	7619-1	D2240	53505
3	Brittleness temperature,°C		≤-30	GB/T1682	812	D2137	53546
4	Tensile strength,MPa		≥8.0	GB/T528	37	D412	53504
5	Elongation at failure,%		≥250				
6	Tear strength,kN/m		≥25.0	GB/T529	34	D624B	53506
7☆	Transformer oil resistance (125°C,168h)	Hardness change	-5 ~ +10	GB/T1690	1817	D471	53521
		Change rate of volume,%	-5 ~ +10				
8☆	Compatibility with transformer oil (800mL oil,surface area 65cm²,100°C, 164h)	Oil dielectric loss factor tanδ(90°C) increment(compared with pure oil)10 ⁻²	≤0.3	JB/T8448.1 Appendix A	—	D3455	—