



**TECHNICAL DATA SHEET**

**RUBBER MATERIAL REPORT**

**EPDM:**

**RUBBER EXPANSION SECTION OF THE PHYSICAL AND MECHANICAL PROPERTIES OF THE RUBBER PARAMETERS ARE AS FOLLOWS:**

No.	Item		Standard		Actual
			Inner layer rubber	Outer layer rubber	
1	(MPa) ≥ Tensile strength		12	13	13.6
2	(%) ≥ Break off elongation		450	500	564
3	(%) ≤ Break off permanent distortion		25	30	22
4	°C ≥ Brittleness temperature		-30	-30	-40
5	(km/m) ≥ Viscosity strength		2	2	5.6
6	(100°C×48h) Hot Air aging	% Tensile strength charge	+25~-25	-25~-20	20
		Elongation charge %	+10~-30	+10~-30	5
7	10%H <sub>2</sub> SO <sub>2</sub> ×168h ≥ Acidity coefficient		0.7	0.7	0.85
8	10%NaOH×168h ≥ Alkali coefficient		0.7	0.7	0.85



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**ELECTRICAL INSULATION RUBBER SHEET MATERIAL  
DATA SHEET.**

Sr. No.	Description.	Test Method.	Unit.	Specification.
1.	Base Polymer.	---	---	Electrical Insulation Sheet
2.	Color.	---	---	Black
<b>For Rubber Compound</b>				
1.	Hardness.	ASTM D 2240	Shore A	70±5
2.	Tensile Strength.	ASTM D 412	Kg/cm <sup>2</sup> (Min)	100
3.	Elongation at Break.	ASTM D 412	% (Min)	250
4.	Tear Resistance.	ASTM D 624	KN/m (Min)	50
5.	Compression Set (22 hrs at 70 °C).	ASTM D 395	% (Max)	25
6.	Specific Gravity.	ASTM D 792	gm/cc	1.65±0.05
<b>For Cured Rubber Sheet.</b>				
1.	Electrical Resistance @ 11 Kv	BS 921 : 1976	Kv	No leak No Spark
2.	Working Voltage.	BS 921 : 1976	Volt	650
3.	Test Voltage.	BS 921 : 1976	Volt	16000
2.	E.I value (Leakage Current).	BS 921 : 1976	mA/m <sup>2</sup> (Max)	140
3.	Workman Ship.	BS 921 : 1976	Visual	No Blister, Pinhole, Porosity, FM and Crack.