

PRODUCT DATA SHEET FOR EPDM GASKET

Material Characteristics, Test Standards and Results of a typical EPDM Gasket

Description	RESULTS
Hardness Range (Shore A)	25 ⁰ - 90 ⁰
Physical Strength	Good
Compression Set	Good
Tear & Abrasion Resistance	Good
Resilience	Very Good
Permeability to Gases	Very low
Ozone and UV Resistance	Excellent
Electrical Strength	Excellent

S. No.	Characteristics Tested	Standard Followed	Result as per Standard	Actual Results
1.	Hardness (Shore A)	ASTM-D2240	60 ⁰ (+/-5 ⁰)	65 ⁰
2.	Tensile Strength (Kgf/cm ²)	ASTM-D412	> 110	115
3.	Elongation at Break (%age)	ASTM-D412	> 250	280

4.	Tear Strength (Kgf/cm)	ASTM-D624	-	
5.	Specific Gravity (max.)	ISO-2781	1.30	1.22
6.	Compression Set (max. %) At 100° for 22 Hrs.	ASTM-D395	30	28
7.	AGE RESISTANCE	ASTM-D573		
a.	<i>Hardness</i>		+10 (max)	+7
b.	<i>Tensile Strength (%)</i>		+/-15% (max)	+12
c.	<i>Elongation at Break (%)</i>		+/-40% (max)	-22
8.	Ozone Resistance	ASTM-D1149	No visible Cracks	No visible Cracks