

Test Performed By: Dr Irfan Ul Hassan

Muhammad Yousaf Awan
ER / REAM Leader
Kullar Kot Bridge

Client Reference: KK-DIK-BR-PJ/2019/090

Dated 30-11-2019

SOM Laboratory Reference: CED/SOM/1843-A(Page-2/2)

Dated 05-12-2019

Test: Shear Modulus Test & Adhesion Test

Sample Type: Elastomeric Bearing Pad (450mm x 450mm x 159mm)

(Manufacturer: M/s Longman)

Shear Strength and Adhesion Test (AS PER ASTM- D-429-08 & -D-4014)

S. No	PROPERTIES	RESULTS
1	Shear Modulus	12.94 Kg/cm ²
2	Adhesion Between Elastomeric and Steel	47.61 N/mm

Test Performed by: Dr. S. Asad Ali Gilla

Muhammad Youns Awan
ER/Team Leader
Kullar Kot Bridge

Client Reference No.: kk-dik-br-pj/2019/090

Dated: 30-11-2019

SOM Lab Ref: CED/SOM/1843(Page-1/2)

Dated: 05-12-2019

Test: Tensile Test, Elongation, Strength , Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad (Manufacturer: M/s Longman)

Size: 450 x 450 x 159mm

Description	Unit	Before Aging	After aging @100°C.	Standard ASTM
Tensile Strength	Kgs/cm ²	256.23	235.32	D-412
Elongation at Break	%	550	520	D-412
Hardness (Shore A)	Point	60.33	64.67	D-2240

-- TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	13.0 x 3.00	0.095	31.67

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.00	2.96	1.333

