

Test Performed by: Dr. S. Asad Ali Gillani

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Resident Engineer
NESPAK - Zeeruk (JV)
CPEC (wstern Route), Package –II,
ISAKHEL

Client Reference No.: RE/NESPAK/P-2A/CPEC-WR/930

Dated: 05-09-2019

SOM Lab Ref: CED/SOM/1362(Page-1/1)

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Test: Tensile, Elongation at Break, Tear Strength, Hardness Test & Comp Set Test

Sample Type: Elastomeric Bearing Pad (Manufacturer : Longman)

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size(mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm ²)	Elongation at Break(%)
1	5.0 x 3.0	0.26	17.33	176.81	470

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

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)	Tear Strength (Kg/cm)
1	17.0 x 3.0	0.18	60	61.182

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

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.0	2.98	0.667

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Bearing Rubber Pad	61.83