

RADIANZ®

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PROPERTIES	TYPICAL RESULTS	TEST PROCEDURE	REMARKS
Specific Gravity	2.41	ASTM D792-08	
Water Absorption	0.03%	ASTM C373-06	
Coefficient of Linear Thermal Expansion	1.35 x 10-5 /°C	ASTM D696-03	
Flexural Strength	53.6 Mpa	ASTM D790-07	
Flexural Modulus	11.9 Gpa	ASTM D790-07	
Boiling Water Resistance	No effect	NEMA LD3 2000 3.5	
High Temperature	No effect	NEMA LD3 2000 3.6	
Moh's Hardness	6~7	EN-101	
Rockwell Hardness	114	ASTM D785-03	
Barcol hardness	90	ASTM D2583-13a	
Slip Resistance – Coefficient of Friction (Received: Dry/Wet)	0.91 / 0.49 0.45 / 0.57 1.03 / 0.49	ASTM C1028-07	Neolite Leather Rubber
Slip Resistance - Coefficient of Friction (Renovated: Dry/Wet)	0.89 / 0.48 0.40/ 0.58 0.92/ 0.50	ASTM C1028-07	Neolite Leather Rubber
Compressive Strength	DRY: 213.74 Mpa WET: 251.16 Mpa	ASTM C170-09	
Stain Resistance	Passes	ANSI Z124.6-07	
Cigarette Test	Passes	ANSI Z124.6-07	
Chemical Resistance	Passes	ANSI Z124.6-07	
Impact Tests	Passes	ANSI Z124.6-07	
Fungal Resistance	No effect	ASTM G21-96	
Bacteria Resistance	No effect	ASTM G22-96	
Abrasion Resistance	606mg	ASTM D4060-07	Taber abrasion
Flammability	Class A	ASTM E84-09	

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