

GROUND MAT Material Specifications (HDPE)

Properties	Unit	Test method	Test Result
Density	g/cm ³	ISO1183-1	0.95-0.98
Yield strength	MPa	ASTM D-638	25
Ultimate strength	MPa	ASTM D-638	45
Tensile Strength	Psi	ASTM D-638	5900
Tensile Modulus of Elasticity	Psi	ASTM D-638	116500
Breaking Elongation	%	ISO527	>50
Impact Strength	MJ/mm ²	ISO179	No breaking
Shore hardness	Shore D	ISO868	64-67
Abrasion	Steel=100	ISO15527	83
Melting Point	°C	ASTM D-3417	138
Coefficient of thermal expansion	°C	ASTM D-696	0.0002
Friction Coefficient (Static state)	Unit less	ASTM D-1894	0.11

The data mentioned in this brochure are average values ascertained by current statistical returns and tests, but we cannot accept any responsibility for their accuracy.



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