

CONFORMITY OF PRODUCT

TME GeoTech PVC Geomembrane



Purpose of Usage

Waterproofing and Containment, Environmental Protection, Infrastructure & Civil Engineering, Erosion Control

Application Locations

Dams / Artificial Ponds, Tunnels (Road, Subway, Cut-and-Cover), Bridges and Viaducts, Water Reservoirs / Irrigation Channels, Industrial Waste Landfill Facilities / Treatment Facilities, Pools (Sedimentation / Aeration / Swimming / Decorative), In port construction, Basement Tanking, Oil Fields and Mine Sites, Underground Operations,

Properties	Unit				
Thickness	mm	≥ 1,50	≥ 2,00	≥ 2,50	≥ 3,00
Mass per Unit Area	g/m ²	≥ 1905	≥ 2540	≥ 3170	≥ 3810
Shear Strength	N / 50 m	≥ 600	≥ 800	≥ 1000	≥ 1200
Peeling Strength	N / 50 m	≥ 420	≥ 560	≥ 700	≥ 840
Static Puncture Force (CBR)	kN	≥1,50	≥ 2,00	≥ 2,50	≥ 3,00
Liquid Permeability	m ³ / (m ² day)	≤ 4x10 ⁻⁶			
Density	g / cm ³	1,270-1,330			
Oxidation Induction Time (OIT)	Minute	≥ 150			
Elongation Ratio (transversely and longitudinally) K: Break A: Yield	%	K ≥ 250			
Tearing Strength (Transversely and Longitudinally)	kN/m	≥ 60			
Fire Resistance		Class E			
Thermal Expansion	cm / cm / °C	≤ 12x10 ⁻⁵			
Foldability at Low Temperature	°C	-20			

Product Features

PVC geomembranes are highly flexible, durable, and chemical-resistant liners commonly used for waterproofing and containment. Key features include high elasticity (up to 300%–500% elongation) for superior crack bridging, excellent low-temperature flexibility, ease of welding for, fast installation, and puncture resistance, making them ideal for ponds, tunnels, and landfill liners.