

**TECHNICAL DATA SHEET**

Name and address of manufacturer	:	PROTAN TURKEY YALITIM SAN. VE TIC. A.Ş. G.O.S.B. İhsandede Caddesi No:111/1 Gebze/KOCAELİ / TÜRKİYE
Product trade name	:	PROTAN TG
Description	:	PVC Reinforced, Artificial Lakes and Ponds Membrane /
European Standard	:	EN 13967
Type of application	:	Damp proof sheets Type A and basement tanking sheets Type T
Standart dimensions	:	Width : 1620 mm Length : 20 m

CHARACTERISTICS	REQUIRED MIN. VALUE	TEST RESULT 1,50 mm	TEST RESULT 2,00 mm	UNIT/	TEST METHODS
THICKNESS	MDV	1,50 ± %5	2,00 ± %5	mm	EN 1849-2
WATER PERMEABILITY	Waterproof	Waterproof	Waterproof	-	EN 1928, Method B
WATER TIGHTNESS TO LIQUID WATER	Waterproof	Waterproof	Waterproof	-	EN 1296 and EN 1928
RESISTANCE TO STATIC LOADING	≥ 20	≥ 20	≥ 20	kg	EN 12730
TENSILE STRENGTH	L ≥ 800	L ≥ 900	L ≥ 1000	N/50 mm	EN 12311-2
	T ≥ 800	T ≥ 850	T ≥ 900		
ELONGATION AT BREAK	L ≥ 15	L ≥ 15	L ≥ 15	%	EN 12311-2
	T ≥ 15	T ≥ 15	T ≥ 15		
RESISTANCE TO IMPACT	≥ 450	≥ 700	≥ 700	mm	EN 12691
RESISTANCE TO TEAR (NAIL SHANK)	≥ 180	≥ 180	≥ 200	N	EN 12310-1
REACTION TO FIRE	CLASS E	CLASS E	CLASS E	-	CLASSIFICATION AFTER EN 13501-1
DETERMINATION OF WATER VAPOR TRANSMISSION	≥ 18.000 ± 30 %	≥ 18.000 ± 30 %	≥ 18.000 ± 30 %	μ	EN 1931
PEEL RESISTANCE OF JOINT	≥ 200	≥ 200	≥ 250	N/50mm	EN 12316-2
JOINT STRENGTH	≥ 600	≥ 850	≥ 900	N/50mm	EN 12317-2
DIMENSIONAL STABILITY	≤ 1	≤ 1	≤ 1	%	EN 1107-2
FOLDABILITY AT LOW TEMPERATURE	-20	-20	-20	°C	EN 495-5
VISIBLE DEFECTS	Pass	Pass	Pass	-	EN 1850-2
EFFECTS OF LIQUID CHEMICALS, INCLUDING WATER (28 DAYS / 23° C)	Resistant	Resistant	Resistant	-	EN 1847

MDV = Manufacturer's Declared Value

L = Machine Direction

T = Cross Direction

This technical data sheet was prepared according to the latest technical knowledge and standards of Protan Turkey Yalıtım Sanayi ve Ticaret A.Ş./ Gebze, KOCAELİ TURKEY. Technical changes due to further developments are possible.

Bu teknik bilgi föyü Protan Turkey Yalıtım Sanayi ve Ticaret A.Ş./ Gebze, KOCAELİ TÜRKİYE'nin en son teknik bilgi ve standartlarına göre hazırlanmıştır. Gelişmelere bağlı olarak teknik değişiklikler mümkündür.