HUITEX LLDPE SMOOTH CONDUCTIVE GEOMEMBRANE – GM17

Properties	Test Method	VF150	VF200
Thickness, mm Average values	ASTM D5199	1.50	2.00
Sheet density, g/cm^3 (max)	ASTM D792	0.939	0.939
Melt Index, 190/2.16, g/10min	ASTM D1238	<1	<1
Tensile Properties:(1) 1.Strength at Break, KN/m 2.Elongation at Break, %	ASTM D6693 Type IV specimen @ 50 mm/min	 40 800	 53 800
Tear Resistance, N	ASTM D1004	150	200
Puncture Resistance, N	ASTM D4833	370	500
Carbon Black Content (2), %	ASTM D1603	2-3	2-3
Carbon Black Dispersion	ASTM D5596	Note (3)	Note (3)
Oxidative Induction Time, mins	ASTM D 3895	100	100
Oven Aging at 85℃ Standard OIT, %	ASTM D5721 ASTM D3895	35	35
UV resistance(4) High Pressure OIT, %	ASTM D7238 ASTM D5885	35	35
2% Modulus (max), MPa	ASTM D5323	414	414
Axi-Symmertic Break Strain, %	ASTM D5617	30	30
Surface resistivity,(5)ohms/sqm	ASTM D257	<1x10^5	<1x10^5
Roll Width, m		7	7
Roll Length, m		140	105
Roll Area, m^2		980	735

NOTES:

(*) All values are Minimum average value unless otherwise specified.

(*)Carbon Black Content,Carbon Black Dispersion,OIT,Density only for the Middle layer.

(1). Machine direction (MD) and cross machine direction (XMD) average values should be on basis of 5 test specimens each direction.
Break elongation is calculated using a gauge length of 50 mm.

(2). The carbon black content of conductive layer is higher than 3%.

(3). Carbon black dispersion for 10 different views: all 10 in Categories 1 or 2.

(4). UV resistance is base on percent retained value regardless of the original HP-OIT value.

(5). Test by Megohmmeter Direct-Reading

This specification is intended as guides only and is not intended as a warranty or guarantee.
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