

ANNEX I

ALVATECH 5002 is a High-Density Polyethylene liner, smooth on both sides available in 5,8m and 7,5m width.

ALVATECH FIX is a High-Density Polyethylene liner, structured on one (FIX 1F) or both sides (FIX 2F), available in 7,5m.

ALVATECH LLDPE is a Lineal Low-Density Polyethylene liner, smooth by both sides, available in 7,5 m width.

ALVATECH LLDPE FIX is a Lineal Low-Density Polyethylene liner, structured on one (FIX 1F) or both sides (FIX 2F), available in 7,5m.

TESTED PROPERTY	UNITS	TEST METHOD	MINIMUM TESTING FREQUENCIES			
			ALVATECH 5002	ALVATECH FIX	ALVATECH LLDPE	ALVATECH LLDPE FIX
Density	g/cm3	ASTM D 1505	90.000 Kg	90.000 Kg	90.000 Kg	90.000 Kg
Thickness	mm	ASTM D 5994	Pe roll	Per roll	Per roll	Per roll
Break Strength	N/mm	ASTM D 6693	9.000 Kg	9.000 Kg	9.000 Kg	9.000 Kg
Break Elongation	%					
Yield Strength	N/mm					
Yield Elongation (1)	%					
2% Modulus (max.)	N/mm	ASTM D 5323	N.A.	N.A.	Per formulation	Per formulation
Static Puncture Resistance	N	ASTM D 4833	20.000 Kg	20.000 Kg	20.000 Kg	20.000 Kg
Tear Resistance	N	ASTM D 1004	20.000 Kg	20.000 Kg	20.000 Kg	20.000 Kg
Multiaxial elongation at break	%	ASTM D 5617	N.A.	N.A.	Per formulation	Per formulation
Carbon Black Content	%	ASTM D 4218	9.000 Kg	9.000 Kg	9.000 Kg	9.000 Kg
Carbon Black Dispersion	-	ASTM D 5596	20.000 Kg	20.000 Kg	20.000 Kg	20.000 Kg
Stress Cracking (SP-NCTL)	min	ASTM D 5397	Resin batch	Resin batch	N.A.	N.A.
Oxidative Induction Time (OIT)	min	ASTM D 3895	90.000 Kg	90.000 Kg	90.000 Kg	90.000 Kg
Oven Aging at 85 ° C	% retained	ASTM D 5721	Per formulation	Per formulation	Per formulation	Per formulation
UV Resistance High pressure OIT - % Retained after 90 days	% retained	ASTM D 5885	Per formulation	Per formulation	Per formulation	Per formulation
Spikes Height	mm	ASTM D 7466	N.A.	Every two rolls	N.A.	Every two rolls

Rev.0