LLS KSI Russia, Moscow, ul. Akademika Vargi, 8, bld.1, ZIP: 117133, VAT 7728505401, email: info@ksi-izol.ru tel: +7 (495) 223-77-22, http://www.ksi-izol.ru

Guaranteed Technical Particulars (GTP) and Compliance Sheet

Items of Specification	Requirement of PGCL			Response of KSI			
	Test Meth0d	Value		Test Method	Value		Remarks
		Inner Wrap	Outer Wrap		Inner Wrap Model:Polilen 40-LI-63	Outer Wrap Model:Polilen OB 40-OB-63	
Total thickness (mils)	ASTM D1000	≥25	≥25	ASTM D1000	≥25	≥25	pass
PE backing (mils)	ASTM D1000	≥13	≥20	ASTM D1000	≥13	≥20	pass
Butyl Rubber adhesive (mils)	ASTM D1000	≥12	≥5	ASTM D1000	≥12	≥5	pass
Tensile strength at +23^{0}C (N/10mm tape width)	ASTM D1000	≥60	≥60	ASTM D1000	≥60	≥60	pass
Yield strength at +23^{0}C (N/10mm tape width)	ASTM D1000	≥50	≥50	ASTM D1000	≥50	≥50	pass
Elongation at break at +23^{0}C	ASTM D1000	≥350	≥350	ASTM D1000	≥350	≥350	pass
Adhesion to primed steel/ tape to tape at +23^{0}C at 300mm/min rate of extension ((N/10mm tape width)	ASTM D1000	≥25	≥8	ASTM D1000	≥25	≥8	pass
Water vapour transmission rate (Gm/M^2/24hrs.)	ASTM E96	≤0.2	≤0.1	ASTM D1000	≤0.2	≤0.1	pass
Water absorption at+23^{0}C after 1 day.	ASTM D570	≤0.1	≤0.1	ASTM D1000	≤0,1	≤0,1	pass
Dielectric strength (KV/mm Thickness)	ASTM D1000/ ASTM D145	≥40	≥40	ASTM D1000	≥40	≥40	pass
Application temperature	-	0^0-50^{0}c	0^0-50^{0}c	-	0^0-50^{0}c	0^0-50^{0}c	pass
Colour	-	Black	White	-	Black	White	pass

Chief Technologist LLS KSI: Larkin A.

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