


RUBY P 4,5KG		
Modification of Bitumen	Plastomeric	 <b>EN 13707 - EN 13969</b>
Reinforcement	Nonwoven Polyester	
Upper Surface Coating	PE Film or Sand	
Lower Surface Coating	PE Film	

Name of the Test	Method	Unit	Tolerance	Value
Mass per unit Area	TS EN 1849-1	kg/m <sup>2</sup>	±10%	4,5
Length	TS EN 1848-1	m	min(-0,03)	10
Width	TS EN 1848-1	cm	min(-2)	100
Straightness	TS EN 1848-1			pass
Watertightness (10 kPa)	TS EN 1928 Mt.A			pass
Watertightness (Type A*:2kPa, Type T: 60kPa)	TS EN 1928 Mt.A* / Mt.B			pass
Dimensional stability	TS EN 1107-1	%	≤	0,6
Flexibility at low temperature	TS EN 1109 / ASTM D-5147	°C	≤	-5
Flow resistance at elevated temperature	TS EN 1110 / ASTM D-5147	°C	≥	110
Tensile strength (MD/CMD)	TS EN 12311-1	N/50mm	±25%	600/400
Elongation (MD/CD)	TS EN 12311-1	%	±25%	30/30
Impact resistance	TS EN 12691 Mtd.A	mm	min	500
Resistance to static loading	TS EN 12730 Mtd.A	Kg		NPD
Sheer resistance of joints	TS EN 12317-1	N/50mm	±20%	150
Peel resistance of joints	TS EN 12316-1	N/50mm		NPD
Tearing resistance (with nail)	TS EN 12310-1	N		NPD
Reaction to Fire	TS EN 11925-2	class		NPD
External Fire Performance	ENV 1187-2	class		NPD
Form stability under cyclical temp. changes	TS EN 1108	%		NPD
Water vapour properties	TS EN 1931		min	20 000
Watertightness after stretching	TS EN 13897			NPD
Resistance to root penetration	EN 13948			NPD
Artificial ageing +Cold flexibility	TS EN 1296/TS EN 1109	°C		NPD
Artificial ageing +Flow resistance	TS EN 1296/TS EN 1110	°C		NPD
Artificial ageing +Watertightness -Type T	TS EN 1296/TS EN 1928 Mt.A	60 kPa		pass
Adhesion of granules	TS EN 12039	%	max	NPD
Resistance to static loading Mt.B	TS EN 12730 Mtd.B	kg	min	10
Dangerous substances	...	none/none		none

#### STORAGE:

- Rolls should always be stored and transported at upright position.
- Membrane pallets should not be stored on top of each other and similarly, heavy loads should never be placed on membrane pallets.
- Bituminous membranes should be stored at closed areas where room temperature is above +5C. They should never be stored outside as pallets are exposed to direct sun shine and should always be kept away from heat sources.
- Membrane rolls should not be stored outside if there is no cover on them. High temperature may lead to longitudinal shrinkage and latitudinal expandage at membranes with polyester carrier.
- For bituminous membranes, recommended shelf-life is 12 months. Later than this date, membrane is subject to ageing.
- Additionally, if it is not stored under appropriate conditions, shelf life may shorten.