

MasterSeal® 957

Superior needle punched, non-woven, polypropylene geotextile

DESCRIPTION

MasterSeal 957 is a needle punched, non-woven, polypropylene geotextile for use as a cushion layer with PVC / TPO sub-grade waterproofing systems.

COMPOSITION

100% polypropylene non-woven geotextile.

USES

- Roads
- Railways
- Foundations & retaining walls
- Drainage systems
- Erosion control systems
- Reservoirs & dams
- Canals
- Tunnels and underground structures
- Solids waste
- Liquid waste

TYPICAL APPLICATIONS

- Cushion and separation layer between shoring/blinding and PVC / TPO membrane waterproofing.
- Slip layer ensuring reduced friction between concrete and PVC / TPO membranes.

ADVANTAGES

- Provides protection to PVC / TPO membranes.
- Allows PVC / TPO membranes to move independently from the structure.
- Good tensile and elongation properties.

PACKAGING & ROLL SIZES

MasterSeal 957 supplied in rolls as follows:

Weight	Width	Length
370g/m ²	6m	50m
450g/m ²	6m	75m

PROPERTIES

Mechanical properties	Test method	Value 370g/m ²	Value 450g/m ²
Tensile strength - Machine Direction / Transverse Direction	EN ISO 10319	27kN/m	33.5kN/m
Elongation - Machine Direction / Transverse Direction	EN ISO 10319	50% 55%	55% 60%
CBR puncture resistance	EN ISO 12236	4.6kN	5.5kN
Dynamic cone drop	EN ISO 13433	10mm	7mm
Pyramid puncture	EN ISO 14574	0.44kN	0.55kN
Hydraulic properties			
Permeability	EN ISO 11058	55x10 ⁻³ m/s	45x10 ⁻³ m/s
Waterflow normal to the plane	EN ISO 11058	55 l/m ² .s	45 l/m ² .s
Waterflow in the plane 20kPa	EN ISO 12958	5x10 ⁻⁶ m ² /s	6x10 ⁻⁶ m ² /s
Characteristics opening size	EN ISO 12956	85µm	75µm
Physical properties			
Thickness under 2kPa	EN ISO 9863-1	2.8mm	3.2mm
Weight	EN ISO 9864	370g/m ²	450g/m ²
Durability			
Natural UV light	ASTM 4533	100%	100%
Chemical resistance	EN 14030	100%	100%
Oxidation resistance	EN ISO 13438	>90%	>90%
Microbiological resistance	EN 12225	100%	100%
Hydrolysis	EN 12447	100%	100%
Density		0.91kg/dm ³	0.91kg/dm ³
Melting point		165°C	165°C
Fiber bonding		Mechanical / Thermal	Mechanical / Thermal



We create chemistry

MasterSeal[®] 957

NOTE

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BASF reserves the right to have the true cause of any liability determined by accepted test methods.

QUALITY AND CARE

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory controlled tests.

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