

PRODUCT DATA SHEET

PRODUCER	PLASTIKA KRITIS SA
PRODUCT	KRITIFLEX 6090

DESCRIPTION	Flexural Polypropylene (astryn) geomembrane
NOMINAL THICKNESS (mm)	1.0
THICKNESS TOLERANCE	Minimum : - 10 % Maximum : + 10 %

MECHANICAL PROPERTIES	TEST METHOD	TYPICAL VALUES
CARBON BLACK CONTENT (%)	OEE 8.2.4-02-01	2-3
CARBON BLACK DISPERSION (note)	NFT 51142	≤ 3
DENSITY OF MEMBRANE (g/cm³)	ASTM D792	0.910
MELT FLOW INDEX (g/10min.230°C)	ASTM D1238	0.60
TENSILE STRENGTH AT YIELD (N/mm²)	ASTM D638IV	
-MACHINE DIRECTION		5.0
-TRANSVERSAL DIRECTION		4.0
TENSILE STRENGTH AT BREAK (N/mm²)	ASTM D638IV	
-MACHINE DIRECTION		22.0
-TRANSVERSAL DIRECTION		18.0
ELONGATION AT YIELD (%)	ASTM D638IV	
-MACHINE DIRECTION	Gauge Length	25.0
-TRANSVERSAL DIRECTION	33mm	25.0
ELONGATION AT BREAK(%)	ASTM D638IV	
-MACHINE DIRECTION	Gauge Length	900
-TRANSVERSAL DIRECTION	50mm	900
PUNCTURE RESISTANCE (N)	ASTM D4833	250
TEAR RESISTANCE (N)	ASTM D1004C	
-MACHINE DIRECTION		65
-TRANSVERSAL DIRECTION		65
OXIDATIVE INDUCTION TIME (min)	ASTM D3895	>100



The typical values refer to results obtained in our laboratory during Quality Control of various production batches

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