

# PLASTIKA KRITIS SA

## PRODUCT DATA SHEET

PRODUCER	PLASTIKA KRITIS SA
PRODUCT	KRITIFLEX 6090

DESCRIPTION	Flexural Polypropylene (astryn) geomembrane
NOMINAL THICKNESS (mm)	0.5
THICKNESS TOLERANCE	Minimum : - 10 % Maximum : + 10 %

MECHANICAL PROPERTIES	TEST METHOD	TYPICAL VALUES
<b>CARBON BLACK CONTENT (%)</b>	OEE 8.2.4-02-01	2-3
<b>CARBON BLACK DISPERSION ( note )</b>	NFT 51142	≤ 3
<b>DENSITY OF MEMBRANE (g/cm<sup>3</sup>)</b>	ASTM D792	0.910
<b>MELT FLOW INDEX (g/10min.230°C)</b>	ASTM D1238	0.60
<b>TENSILE STRENGTH AT YIELD (N/mm<sup>2</sup>)</b>	ASTM D638IV	
-MACHINE DIRECTION		5.0
-TRANSVERSAL DIRECTION		4.0
<b>TENSILE STRENGTH AT BREAK (N/mm<sup>2</sup>)</b>	ASTM D638IV	
-MACHINE DIRECTION		28.0
-TRANSVERSAL DIRECTION		22.0
<b>ELONGATION AT YIELD (%)</b>	ASTM D638IV	
-MACHINE DIRECTION	Gauge Length	25.0
-TRANSVERSAL DIRECTION	33mm	25.0
<b>ELONGATION AT BREAK(%)</b>	ASTM D638IV	
-MACHINE DIRECTION	Gauge Length	900
-TRANSVERSAL DIRECTION	50mm	900
<b>PUNCTURE RESISTANCE (N)</b>	ASTM D4833	150
<b>TEAR RESISTANCE (N)</b>	ASTM D1004C	
-MACHINE DIRECTION		35
-TRANSVERSAL DIRECTION		35
<b>OXIDATIVE INDUCTION TIME (min)</b>	ASTM D3895	>100



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

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