

PRODUCT DATA SHEET

PRODUCER	PLASTIKA KRITIS SA
PRODUCT	KRITIFLEX 6070

DESCRIPTION	High Density Polyethylene (HDPE) geomembrane
NOMINAL THICKNESS (mm)	2.0
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	0.946
MELT FLOW INDEX (g/10min.190°C)	ASTM D1238	0.15
TENSILE STRENGTH AT YIELD (N/mm²)	ASTM D638IV	
-MACHINE DIRECTION		17.0
-TRANSVERSAL DIRECTION		17.0
TENSILE STRENGTH AT BREAK (N/mm²)	ASTM D638IV	
-MACHINE DIRECTION		32.0
-TRANSVERSAL DIRECTION		32.0
ELONGATION AT YIELD (%)	ASTM D638IV	
-MACHINE DIRECTION	Gauge Length	12.0
-TRANSVERSAL DIRECTION	33mm	12.0
ELONGATION AT BREAK(%)	ASTM D638IV	
-MACHINE DIRECTION	Gauge Length	850
-TRANSVERSAL DIRECTION	50mm	850
PUNCTURE RESISTANCE (N)	ASTM D4833	670
TEAR RESISTANCE (N)	ASTM D1004C	
-MACHINE DIRECTION		280
-TRANSVERSAL DIRECTION		280
OXIDATIVE INDUCTION TIME (min)	ASTM D3895	>100



CERTIFIED QUALITY SYSTEM
EAOT EN ISO 9001:2000/ISO 9001:2000
No. 02.14.02/051.01

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

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