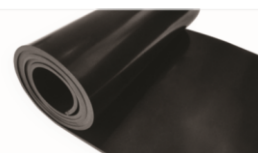


ELM 50000
PRODUCT CODE – ELM 5000


TECHNICAL SPECIFICATIONS

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		FPS UNITS
SPECIFIC GRAVITY		1.50 ± 0.05	ASTM D297	1.50 ± 0.05
HARDNESS	ISO 48-4	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
TENSILE STRENGTH (min)	ISO 37	711 PSI	ASTM D412	50 kg/cm 2
ELONGATION AT BREAK (min)	ISO 37	250 %	ASTM D412	250 %
TEAR RESISTANCE (Angular) min	ISO 34-1	101 Lbs/Inch	ASTM D624	18 Kg/cm
COMPRESSION SET (70°C/24 hrs/25% compression) (max)	ISO 815-1	40 %	ASTM D395 METHOD B	40 %
ABRASION RESISTANCE (max)	ISO 4649	400 mm ³	ASTM D5963	400 mm ³
CHANGE IN PROPERTIES AFTER				
HEAT AGEING FOR (72 hrs. AT 70 °C)			ASTM D573	
--- HARDNESS (Pts)		+5 (max)		+5 (max)
--- TENSILE STRENGTH (%)		+10 / -20		+10 / -20
--- ELONGATION AT BREAK (%)		+10 / -20		+10 / -20
VOLUME SWELL : AT 70°C FOR 72 HRS			ASTM D 471	
IN IRM OIL NO.901		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.902		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.903		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE		GOOD		GOOD
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30° to + 120° C		-30° to + 120° C
COLOR		BLACK / GREY		BLACK / GREY
ELECTRICAL INSULATION ON 4.5 MM			IEC 61111	
BREAKDOWN VOLTAGE (4.5 mm)		NO BREAKDOWN AT 50 KV	IEC 61111	NO BREAKDOWN AT 50 KV