

Tappeto isolante "ELCOMAT" SPECIFICA TECNICA

Basic Properties	Units	Standard	Values
Specific Gravity	g/cm ³		1,56
Indentation Hardness	Shore A	ASTM D2240	70
International Hardness	IRHD	ASTM D1415	
Tensile Strength	MPa	ASTM D412	5,0
Elongation at Break	%	ASTM D412	250
Tear	N/mm	ASTM D624 Die C	20
Abrasion Resistance	mm ³	DIN 53516 (10 N)	
Abrasion Resistance	mm ³	DIN 53516 (5 N)	200
Working Temperatures	°C		-40 / 70

Heat Ageing in a Air Ventilated Oven	Cond. Temp.	Values
Standard ASTM D573	70 °C 70 h	Hard. Inc. ShA 5 Tensile Inc. % -5 Elong. Inc. % -20

Compression Set	Cond. Temp.	Values
Standard ASTM D395 Method B	70 °C 22 h	% Max 50

Liquid Resistance: ASTM D471	Cond. Temp.	Values
ASTM n° 5 Oil	C h	Volume Inc. %
IRM 903 Oil		Volume Inc. %

Ozone Resistance	Conditions	Values
Standard ASTM D1149	C h phr Ozone	Strain %

Chemical Resistance	
Ozone	Moderate
Diluted Acids and Oils	Moderate
Concentrated Acids and Oils	Non Recommended
Hydrocarbons	Non Recommended
Organic Solvents	Non Recommended

Breakdown Voltage according to IEC EN 60243-1:

3,0 mm higher than 30 kV

5,0 mm higher than 50 kV