

Rhino Hyde®

Physical Properties	test method	type ST	type HS	type HG	type HT	unit
Color		bleu	red	yellow	green	
Hardness	ASTM D 2240	85°	85°	82°	95°	Shore A
Tensile strength	ASTM D 412	31	31	31.6	28	N/mm2
Elongation at break	ASTM D 412	450	450	450 ~ 520	300	%
E-modulus 100%	ASTM D 412	7	7	8.5	6.5	N/mm2
E-modulus 300%	ASTM D 412	19	19	16.2	18	N/mm2
E-modulus 500%	ASTM D 412			18.25		N/mm2
Coefficient of friction (dry)		0.15 ~ 0.25	0.15 ~ 0.25	0.20 ~ 0.25	0.19	
Coefficient of friction (wet)		0.008	0.008			
Moisture absorption		none	none	none	none	
Maximum temperature long		80	80	80	100	°C
Maximum temperature short		100	100	100	120	°C
Minimum temperature		-30	-30	-30	0	°C
Fire Properties						
Ignition temperature	ASTM E-162-67	425	425	425	425	°C
Flame Spread Factor	ASTM E-162-67	1.0	1.0			
Flame Spread Factor	ASTM E-162-67	0.4	0.4			
Flame Spread Index	ASTM E-162-67	0.4	0.4			
Smoke density	ASTM E-162-67	0.0007	0.0007			
Flashpoint	ASTM E-162-67	none	none			
Melting point	ASTM E-162-67	200	200			°C
Flammability according to UL 94	UL94					
Electrical properties						
Electrostatic buildup						
Insulating properties						
Specific surface resistance	DIN EN 6134-2-3	12.6				Ω
Specific volume resistance	DIN EN 6134-2-3	11.9				Ω.cm
CTI comparative tracking index	IEC 60112					

Note: 1 g/m³ = 1,000 kg/m³, 1 Mpa = 1 N/mm², 1 kV/mm = MV/m.

This table is a valuable help in the choice of a material. The data listed here fall within the normal range of product properties. All data and descriptions are of an indicative nature only. Despite the constant care and attention of ERIKS to compile this information, ERIKS can not guarantee the completeness, accuracy and topicality of the information. This information is intended for general information purposes only and is not intended as advice. ERIKS is not liable for any damages resulting from the use of this information, including damage caused by inaccuracy or incompleteness of the information.

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