

Datasheet: Rocklight 5, 1000 gr/m²

Source of all data: Test Report 63820/04 from Süddeutsches Kunststoff - Zentrum

Property	Test Standard	Units	Result	
			Arithmetic mean	Standard deviation
Area weight:	DIN EN 12127	g/m ²	1112	6
Overall thickness:	DIN 53855-3	mm	4.8	0.03
Density:	DIN EN ISO 845	g/cm ³	0.23	0.001
Tensile strenght MD:	DIN EN ISO 527-3/1B/50	N/50 mm	1015	13
Tensile strenght TD:	DIN EN ISO 527-3/1B/50	N/50 mm	1214	8
Elongation at break MD:	DIN EN ISO 527-3/1B/50	%	27	10
Elongation at bread TD:	DIN EN ISO 527-3/1B/50	%	33	2
Flexural strength MD:	DIN EN ISO 178	N/mm ²	6.7	0.4
Flexural strength TD:	DIN EN ISO 178	N/mm ²	6.2	0.4
Flexural modulus of elasticity MD:	DIN EN ISO 178	N/mm ²	515	67
Flexural modulus of elasticity TD:	DIN EN ISO 178	N/mm ²	474	58
Puncture resistance Ultimate force:	DIN EN ISO 6603-2/40/20/C/4.4	N	537	32
Puncture resistance Work:	DIN EN ISO 6603-2/40/20/C/4.4	J	5.3	0.6

Edge crush resistance:	DIN EN ISO 3037	kN/m	6.9	0.7
Surface crush resistance:	DIN EN ISO 23035	kN/m	530	31
Dimensional stability:	DIN EN ISO 16726 (1h / 90° C)	%	< 0.1	--
Cold impact strength:	DBL 5306 (-40° C / 510 g ball)	mm	230	--
Combustion behaviour	DIN 75200	mm/min	31	1
Chemical resistance:	See technical Data Sheet "Chemical Resistance of Plastics"			

MD= machine direction

TD= transverse direction

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This information is based on our present state of knowledge, its purpose being to provide general information on our products and their application. For this reason it neither should be considered as a guarantee of specific properties of the products herein described nor as a statement of their suitability for certain particular uses.