

Data sheet ACROLES

Physical properties	Standard	Unit	ACROLES	ACROLES MED	ACROLES TOP
Dentsity	D-792 /D-1505	g/cm³	1,35	1,40	1,27
Rockwell-Hardness	ASTM D-785	R-Skala	94	97	105
Shore-D		D-Skala	70	71	68

Mechanical properties

Bending moduls	ISO 148 / 790	MPa	-	2700	2290
Flexural strength	ISO 148 / 790	MPa	66	80	89
Elasticity moduls	ISO 527-2/ 638/ 790	MPa	2480	2900	2200
Tensile strength	ISO 527-2/ 638	MPa	42	52	59
Elongation at break	ISO 527-2/ 638	%	110	3	23

Thermal properties

Linear expansion coefficient		K-1	10 x 10 ⁻⁵	6,7 x 10 ⁻⁵	6,8 x 10 ⁻⁵
Temperature range		° C	bis +75	-10 bis +50	-30 bis +70
Flammability class	EN 13501-1		B-S2-d0	B-S2-d0	B-S1-d0
Flammability class	DIN 4102		B1	B1	B1

Raw dimension plates

Dimensions	mm	2x1220x2440	2x1500x3000	1,5x1300x3000
Special formats	Special dimensions of the profiles or individual cuts are possible after consultation.			
Notes	Production temperature in the factory approx. 20° C Manufacturing tolerances according to DIN 2768 m			

