

Datasheet: Rocklight 5, 1500 gr/m²

| Property | Test Standard | Units | Result | |
|-------------------------------------|-------------------------------|-------------------|-----------------|--------------------|
| | | | Arithmetic mean | Standard deviation |
| Area weight: | DIN EN 12127 | g/m ² | 1638 | 7 |
| Overall thickness: | DIN 53855-3 | mm | 5.8 | 0.03 |
| Density: | DIN EN ISO 845 | g/cm ³ | 0.29 | 0.001 |
| Tensile strenght MD: | DIN EN ISO 527-3/1B/50 | N/50 mm | 1677 | 11 |
| Tensile strenght TD: | DIN EN ISO 527-3/1B/50 | N/50 mm | 1506 | 18 |
| Elongation at break MD: | DIN EN ISO 527-3/1B/50 | % | 41 | 5 |
| Elongation at bread TD: | DIN EN ISO 527-3/1B/50 | % | 31 | 8 |
| Flexural strength MD: | DIN EN ISO 178 | N/mm ² | 11.4 | 0.3 |
| Flexural strength TD: | DIN EN ISO 178 | N/mm ² | 10.8 | 0.1 |
| Flexural modulus of elasticity MD: | DIN EN ISO 178 | N/mm ² | 797 | 105 |
| Flexural modulus of elasticity TD: | DIN EN ISO 178 | N/mm ² | 734 | 52 |
| Puncture resistance Ultimate force: | DIN EN ISO 6603-2/40/20/C/4.4 | N | 954 | 47 |
| Puncture resistance Work: | DIN EN ISO 6603-2/40/20/C/4.4 | J | 9.6 | 0.3 |
| Edge crush resistance: | DIN EN ISO 3037 | kN/m | 27.8 | 6.7 |

| | | | | |
|---------------------------|--|--------|-------|----|
| Surface crush resistance: | DIN EN ISO 23035 | kN/m | 1300 | 74 |
| Dimensional stability: | DIN EN ISO 16726 (1h / 90° C) | % | < 0.1 | -- |
| Cold impact strength: | DBL 5306 (-40° C / 510 g ball) | mm | 250 | -- |
| Combustion behaviour | DIN 75200 | mm/min | 20 | 1 |
| Chemical resistance: | See technical Data Sheet "Chemical Resistance of Plastics" | | | |

MD= machine direction

TD= transverse direction

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

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.