

## DATASHEET PA6-D 79 SH-D NATURE

| PROPERTIES                       | DIN STANDARD       | UNIT                               | VALUE  | UNIT                               | VALUE   |
|----------------------------------|--------------------|------------------------------------|--------|------------------------------------|---------|
| Colour                           |                    |                                    | NATURE |                                    | NATURE  |
| spec. gravity                    | DIN 53479          | kg/m <sup>3</sup>                  | 1130   | g/cm <sup>3</sup>                  | 1,13    |
| Hardness 23°C/3 sek              | DIN ISO 868        | Shore D                            | 79 ± 3 | Shore D                            | 79 ± 3  |
| Hardness 23°C/15 sek             | DIN ISO 868        | Shore D                            | 78 ± 3 | Shore D                            | 78 ± 3  |
| ball indentation hardness        | DIN 53456 H 135/30 | MPa                                | 165    | psi                                | 23930   |
| Tensile strength                 | ASTM D 4745-11a    | Mpa                                | ≥ 80   | psi                                | ≥ 11600 |
| Elongation at break              | ASTM D 4745-11a    | %                                  | ≥ 40   | %                                  | ≥ 40    |
| Compressive strenght             | DIN 53 455         | Mpa                                |        | psi                                |         |
| Thermal conductivity             | DIN 52 612         | (J*10 <sup>3</sup> ) ÷<br>(m*h*K)  | 0,29   | (J*10 <sup>3</sup> ) ÷<br>(m*h*K)  | 0,29    |
| Coefficient of thermal expansion |                    | K <sup>-1</sup> * 10 <sup>-5</sup> | 8      | K <sup>-1</sup> * 10 <sup>-5</sup> | 8       |
| Coefficient of friction          |                    | μ                                  | 0,4    | μ                                  | 0,4     |
| Service température min.         |                    | °C                                 | -40    | °F                                 | -40     |
| Service température max.         |                    | °C                                 | +110   | °F                                 | +230    |
| Young's modulus                  | DIN 53457          | Mpa                                | 3000   | Psi                                | 435000  |

All the above data comes from random tests on current production, based on a standard sample according to ISO, DIN and ASTM. These standards cannot be applied directly to the building element.

Our technical advice, whether oral, written or test-based, is provided to the best of our knowledge, but should be considered non-binding. They do not dispense from testing the product to verify its suitability for the process and intended purpose.

The use and processing of the products is beyond our control and under your responsibility.

In case of liability, this will be limited to the value of the product delivered and used.

We guarantee the irreproachable quality of our products in accordance with our general conditions of sale and delivery.