

## DATASHEET HPU-D 55 SH-D YELLOW

thermoplastic polyurethane with resistance to hydrolysis

PROPERTIES	DIN STANDARD	UNIT	VALUE	UNIT	VALUE
Colour			YELLOW		YELLOW
Hardness 23°C	DIN ISO 868	Shore A		Shore A	
Hardness 23°C/3 sek	DIN ISO 868	Shore D	55 ± 3	Shore D	55 ± 3
Hardness 23°C/15 sek.	DIN ISO 868	Shore D	51 ± 3	Shore D	51 ± 3
Modulus 100%	DIN 53 504	MPa	≥ 20	psi	≥ 2900
Modulus 300%	DIN 53 504	MPa	≥ 35	psi	≥ 5075
Tensile strength	DIN 53 504	Mpa	≥45	psi	≥ 6525
Elongation at break	DIN 53 504	%	≥ 310	%	≥ 310
Tear strenght	DIN ISO 34-1	kN/m	≥ 110	lbf/inch	≥ 630
spec. gravity	ISO 1183	kg/m <sup>3</sup>	1210	g/cm <sup>3</sup>	1,21
Compression set 70°C/24h	DIN ISO 815-1	%	≤30	%	≤30
Compression set 100°C/24h	DIN ISO 815-1	%	≤35	%	≤35
Résistance à l'abrasion	DIN 53516	mm <sup>3</sup>	25	mm <sup>3</sup>	25
Service température min.		°C	-20	°F	-4
Service température max.		°C	+115	°F	240

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.