

ICE-Trade polyurethane sheeting and form products



Properties

- Abrasion resistance : compared with rubber IT-PU has a 5 to 6 times superior resistance.
- Impact resistance : absorbs shocks, staying resistant to abrasion at the same time, and therefore ideal for screens and liners.
- Compression resistance : superior results compared with classic elastomers with a similar hardness and allows loads 3 to 4 times higher.
- Low friction coefficient
- Temperature resistance : from - 5 till + 80° C.
- Chemical resistance : IT polyurethane resists to many chemical products like oil, fat, hydrocarbons, solvents etc.
- Noise reduction : this results from the impact resistance.

Technical specifications IT polyurethane

Properties	Standard					
Hardness	DIN 53505	° Shore A	60	70	80	90
Density	DIN 53749	g / mm ³	1,21	1,21	1,21	1,21
Tear resistance						
- without nick	DIN 53515	KN/m	52	67	95	126
- with nick	DIN 53515	KN/m	16	22	39	52
Tensile strength	DIN 53504	Mpa	26	31,4	41	38,3
Elongation at break	DIN 53504	%	545	550	525	555
Rebound resilience	DIN 53512	%	47	46	44	40
Compression set at 25% compression during 22 h. at 70° C.	DIN 53517	%	12	15	19	21
Abrasion resistance	DIN 53516	mm ³	22	22	19	31

ICE-Trade polyurethane sheets

Hardness	60	70	80	90
Color	green	blue	red	yellow

Standard sheet dimensions at thickness

- 2 – 10 ± 0,2 mm 1.500 ± 10 × 3.000 ± 20 mm.
- 12 – 15 ± 1 mm 1.500 ± 10 × 3.000 ± 20 mm.
- 20 – 30 ± 2 mm 1.500 ± 10 × 3.000 ± 20 mm.

Thickness	2	3	4	5	6	7	8	9	10	12	15	20	25	30
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ICE-Trade polyurethane sheets, stretch steel reinforced

Hardness	60	70	80	90
Color	yellow	yellow	yellow	yellow

Standard sheet dimensions at thickness

- 8 – 30 ± 2 mm 1.500 ± 10 × 2.000 ± 10 mm.

Thickness	8	9	10	12	15	20	25	30
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ICE-Trade polyurethane sheets, textile reinforced

Hardness	60	70	80	90
Color	yellow	yellow	yellow	yellow

Standard sheet dimensions at thickness

- 8 – 30 ± 2 mm 1.500 ± 10 × 2.000 ± 10 mm.

Thickness	8	9	10	12	15	20	25	30
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Form products are produced according drawing or model :

- scraper blades
- screening parts
- industrial parts
- and more

For further information, please consult us.