Technical datasheet

Polyurethane D44

Basic information	Specification
Basic elastomer	Polyurethane
Fabric ply	without ply
Description/features	Premium PU-quality with excellent mechanical properties especially with high wear resistance and elasticity
Format	**Sheets:** 2 m x 1 m
Colour	tear strength*

Technical data	Standard term/Specification	Unit	Testing method
Density	1.25	g/cm³	DIN EN ISO 1183-1
Shore A	available in 70, 80 and 90	°Sh A	DIN ISO 7619-1
Tensile strength	40	N/mm²	DIN 53504
Elongation at break	600	%	DIN 53504
Abrasion	35	mm³	DIN ISO 4649 method A
Tear strength	45	kN/m	DIN ISO 34-1
Tension value at 20 % extension	2.5	N/mm²	
Tension value at 300 % extension	14	N/mm²	
Impact resilience	45 at 70 °Sh A and 80 °Sh A 50 at 90 °Sh A	%	DIN 53512
Temperature range	from -30 to +80	°C	

Resistance	Standard term/Specification
Oil	n.sp.
Fuels	n.sp.
Acids	n.sp.
Alkaline solution	n.sp.
Weather	n.sp.
UV	n.sp.
Note	Volume swell in water: 1 to 2%

Legend

⊕⊕ = particularly resistant ⊖ = not resistant n.sp. = not specified
⊕ = resistant n.a. = not applicable

Product-related special properties can be tested in our in-house laboratory. If necessary separate standards and testing standards deviating from DIN may be specified.
*Extreme colour deviations possible depending on manufacturer.

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