Elastopan® Hydrolysis Plus

Walk comfortably on the right soles

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Elastopan® Hydrolysis Plus
Go a bit further, longer and more comfortably on the right soles

Walk on and on and on ...
... feeling as fresh as when you set out with new soles made out of Elastopan® Hydrolysis Plus. Following the motto: »You can always go a bit further, longer and more comfortably – you just have to walk on the right soles«, PU specialists from BASF have now made a leap forwards.

Elastopan® Hydrolysis Plus is the name of the new range of materials for untroubled walking and running enjoyment. They are polyester-based systems with extra-ordinary hydrolysis stability and the same mechanical long-term properties.

Another highlight is that the new technology can be used for nearly all types of shoe – from leisure and street shoes to safety, sports, trekking and hiking shoes. Also, incidentally, as midsole and outer soles, from low density to compact systems. Hydrolysis Plus is specifically designed for single density soles normally used for street and casual shoes.

This factor and the considerably improved durability, and therefore longevity, make Elastopan® Hydrolysis Plus an ideal material for high-quality shoes for all purposes. Which you can feel after walking distances where other soles would already have brought you to your knees.

Elastopan® Hydrolysis Plus compared to standard PU systems

	Single Density Sole		
	Standard PU	Improved Standard PU	Hydrolysis Plus
Density	0.5 g/cm³	0.5 g/cm³	0.5 g/cm³
Hardness	50 ShA	50 ShA	50 ShA
Tensile strength	7 MPa	7 MPa	7 MPa
Elongation	>450 %	>450 %	>450 %
Relative loss of hardness after hydrolysis (14 days, 70 °C, 100 % RH)	>40 %	<10 %	<5 %
Relative loss of tensile strength after hydrolysis (14 days, 70 °C, 100 % RH)	>40 %	<25 %	<10 %
Relative loss of hardness after hydrolysis (21 days, 70 °C, 100 % RH)	destroyed	>15 %	<15 %
Relative loss of tensile strength after hydrolysis (21 days, 70 °C, 100 % RH)	destroyed	>50 %	<30 %

RH = relative humidity

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Note
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