

Product information
 Characteristics
ASMAPRENE D-Series



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Chemical base	Special polyurethane system
Characteristic	Premium cast polyurethane system with very good physical properties, excellent abrasion resistance, <u>very good resistance against acids and alkaline</u> , <u>very good heat resistance</u> .
Operational area	Ultimate wear resistant roller coverings and molded parts in contact with acids and alkaline (pH-value 1-14), strong oxidizing materials (Squeezing rollers, pearl mills). Heat resistant roller coverings and molded parts (embossing rollers, castor wheels, gripper jaw). Special applications in machine- and equipment construction.
Specific advantages	Excellent abrasion resistance, ultimate resistance against hydrolysis (best of all polyurethane types) very good resistance against acids and alkaline, very good heat resistance, very good cut and tear resistance, very good resistance against UV-impact. Asmaprene D exhibit lowest water vapor permeability of all polyurethane types. With this property Asmaprene D protects the underlying bonding layer against chemical attack in strong environments.
Specific resistance	Generally very good resistance against acids and alkaline, depending on concentration and temperature. Ferric-3-chloride, Formic acid, Propionic acid, Sulfuric acid, Nitric acid, Hydrochloric acid. For special applications and higher concentrations contact our technical staff regarding resistance!
Working temperature	Long-term use up to +130°C (dry) @63° Shore A, +150°C (dry) @95° Shore A, in contact with acids and alkaline up to 95°C (wet).
Hardness	63° Shore A to 55° Shore D
Colors	Red, yellow and nature (white)
Alternatives	<u>Asmaprene L</u> (for resistance against acids and alkaline in slight concentration, convenient price). <u>Asmaprene H</u> (for ultimate resistance against hot acids and alkaline in high concentrations).
Remark	

Please contact us for further information!

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