



*Wir gießen  
Ihre Ideen  
in Form*

*We cast your ideas*



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## Product information

### Characteristic values

### ASMAPRENE L-Series

Property	Test specification	Units	Asmaprene L							
			70	80	90	93	95	60	70	
<b>Hardness, Shore A/D</b>	ISO 868	Shore A								
		Shore D		29	40	46	48	60	70	
<b>Tensile strength</b>	ISO 37	N/mm <sup>2</sup>	32	37	46	48	50	50	54	
<b>Elongation</b>	ISO 37	%	900	680	600	460	360	330	220	
<b>Tear strength (with nick)</b>	DIN 53515	N/mm	31	43	51	61	67	100	113	
<b>Abrasion loss</b>	DIN 53516	mm <sup>3</sup>	60	51	48	45	45	53	45	
<b>Resilience</b>	ISO 4662	%	67	60	55	49	47	45	42	
<b>Compression set 70h/23°C 24h/70°C</b>	ISO 815	%	12	17	19	22	23	44		
			26	39	39	42	36	75		
<b>Specific gravity</b>		g/cm <sup>3</sup>	1,05	1,07	1,08	1,11	1,13	1,16	1,18	

In this technical datasheet approximate values are indicated. These values are influenceable by processing conditions, modifications, material additives and environmental influences and do not free the user from own examinations and attempts. The values are arranged due to the present experiences and knowledge. A legally obligatory warranty of certain characteristics or the suitability for a concrete targeted application cannot be derived from these data.

Please contact us for further information! [www.asmapur.polyurethane.at/Materials](http://www.asmapur.polyurethane.at/Materials)

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## Charakteristics

# ASMAPRENE L-Series

<b>Chemical base</b>	PTMEG polyether based polyurethane system
<b>Characteristic</b>	High quality cast polyurethane system with very good physical properties and hydrolysis resistance.
<b>Operational area</b>	<p>Industrial roller and wheel coverings with high load bearing in wet/hot environment (steel plants, chemical-physical processes).</p> <p>Industrial roller and wheel coverings with excellent resistance against alcohols (wire guide rollers).</p> <p>Wear resistant and dynamically stressed coverings and molded parts (screens, springs, seals).</p> <p>Special applications in machine- and equipment construction.</p>
<b>Specific advantages</b>	Very good physical properties, very good adhesion to metal, GFK and CFK, high resilience, resistance against microbes.
<b>Specific resistance</b>	<p>Generally very good resistance against mineral oils and fats, generally good resistance against slight acids and alkalines, very good resistance against hydrolysis, polyethylene glycol (for contact in wire saws).</p> <p>For special applications and higher concentrations contact our technical staff regarding resistance!</p>
<b>Working temperature</b>	Long-term use -35 up to +80°C (dry and wet), short-term use up to +100°C (dry and wet), in contact with water and chemicals depending of concentration.
<b>Hardness</b>	70° Shore A up to 75° Shore D
<b>Colors</b>	Yellow, red, black, nature (transparent)
<b>Alternatives</b>	<p><u>Asmaprene D</u> (for ultimate resistance against acids and alkalines)</p> <p><u>Asmaprene C</u> (for very good load bearing, ultimate abrasion resistance)</p> <p><u>Asmaprene A</u> (for contact with hydrocarbon solvents)</p> <p><u>Asmaprene LPP</u> (for reduced electrical surface and volume resistivity)</p>
<b>Remark</b>	