



## PRODUCT INFORMATION

### Mechanical properties

### ASMATHANE-series

Properties	Test specification	Units	ASMA Thane							
			50	60	70	75	80	85	90	
Hardness Shore A/D	ISO 868	Shore A								
		Shore D					32	36	42	
Tensile strength	ISO 37	N/mm <sup>2</sup>	22	29	32	36	43	45	43	
Elongation at break	ISO 37	%	1200	1100	1000	960	940	920	840	
Tear resistance	ISO 34	N/mm	31	33	35	37	41	55	63	
Abrasion loss	ISO 4649-A	mm <sup>3</sup>	22	21	10	12	13	15	19	
Rebound resilience	ISO 4662	%	65	63	60	58	54	50	45	
Compression set 70h/23°C 24h/70°C	ISO 815	%	14	16	17	19	19	17	14	
			26	29	34	38	35	32	31	
Specific gravity		g/cm <sup>3</sup>	1,25	1,25	1,25	1,25	1,25	1,25	1,25	

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 conducting own examinations and tests. The values are arranged according to present experiences and knowledge. A legally obligatory warranty for certain characteristics or the suitability for a concretely targeted application cannot be derived from this data.

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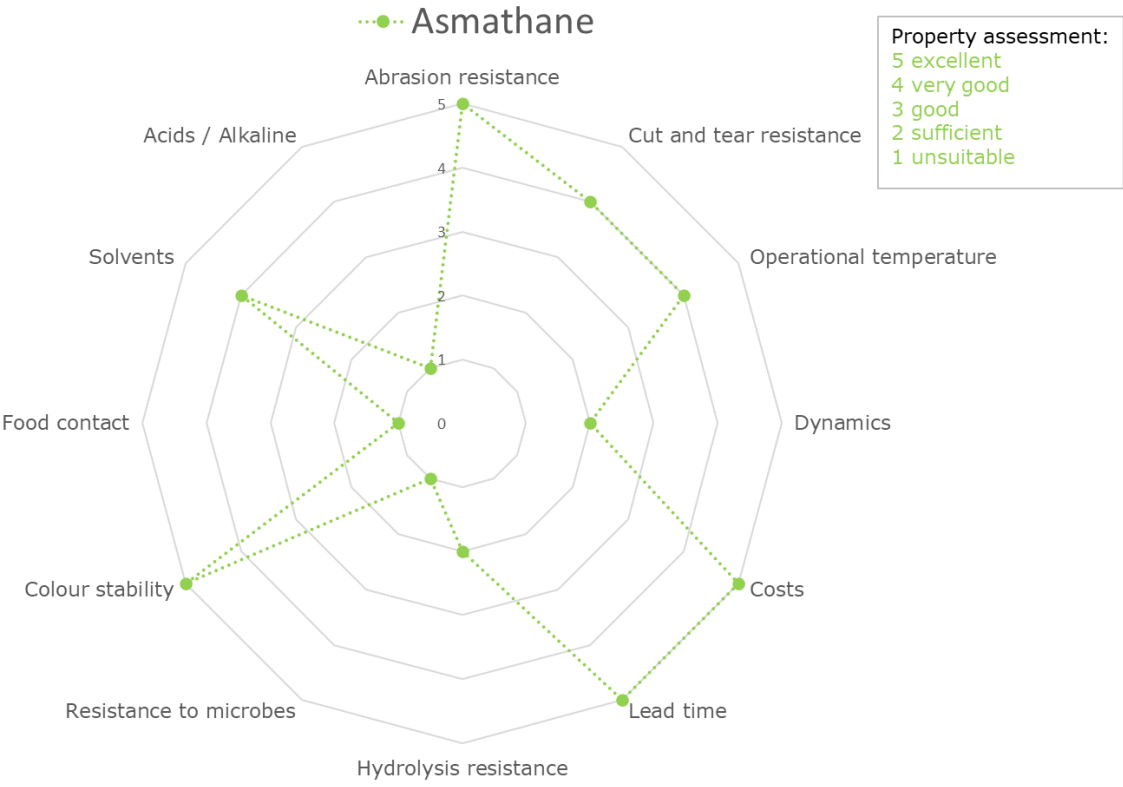


## Application properties

### ASMATHANE-series

<b>Chemical base</b>	Castable polyester polyurethane system (PUR)
<b>Characteristics</b>	Highly wear-resistant casting polyurethane system with a balanced price-performance ratio.
<b>Operational areas</b>	Highly wear-resistant moulded products and coatings for the mechanically stressed applications (screens, scraper, wipers). Construction products for commercial vehicles and agriculture machines. Industrial roller and wheel coatings (transport rollers, feed rollers, deflection rollers, press rollers, brake rollers, conveyor rollers, drive rollers, etc.).
<b>Specific advantages</b>	Excellent abrasion resistance very good cut and tear resistance, very good resistance to UV-exposure, good cost effectiveness.
<b>Specific resistances</b>	Generally very good resistance to oils and fats and solvents, very good resistance to UV exposure, the lowest colour change effect of all polyurethanes based on aromatic isocyanates, formwork release agents in the concrete industry. For special applications, please contact our technical sales representatives regarding durability!
<b>Operating temperature</b>	Long-term use from -30 up to +80°C (dry), short-term up to 100°C (dry). Not suitable for the application in permanent contact with water at temperatures >50°C (danger of hydrolysis)
<b>Hardness range</b>	50 up to 95° Shore A
<b>Colours</b>	Black, red, yellow, green Special version with highly colour-fast pigmentation plus UV protection complex available.
<b>Alternatives</b>	<u>Asmathane PP</u> (for reduced electrical surface and volume resistance).
<b>Remarks</b>	

Material characteristics  
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