PRODUCT INFORMATION
Mechanical properties
AsmaScreen

Properties	Test specification	Units	asma Screen
Hardness Shore A/D	ISO 868	Shore A Shore D	87 40
Tensile strength	ISO 37	N/mm²	50
Elongation at break	ISO 37	%	700
Tear resistance	ISO 34	N/mm	65
Abrasion loss	ISO 4649-A	mm³	16
Rebound resilience	ISO 4662	%	53
Compression set **70h/23°C** **24h/70°C**	ISO 815	%	 30 17
Specific gravity		g/cm³	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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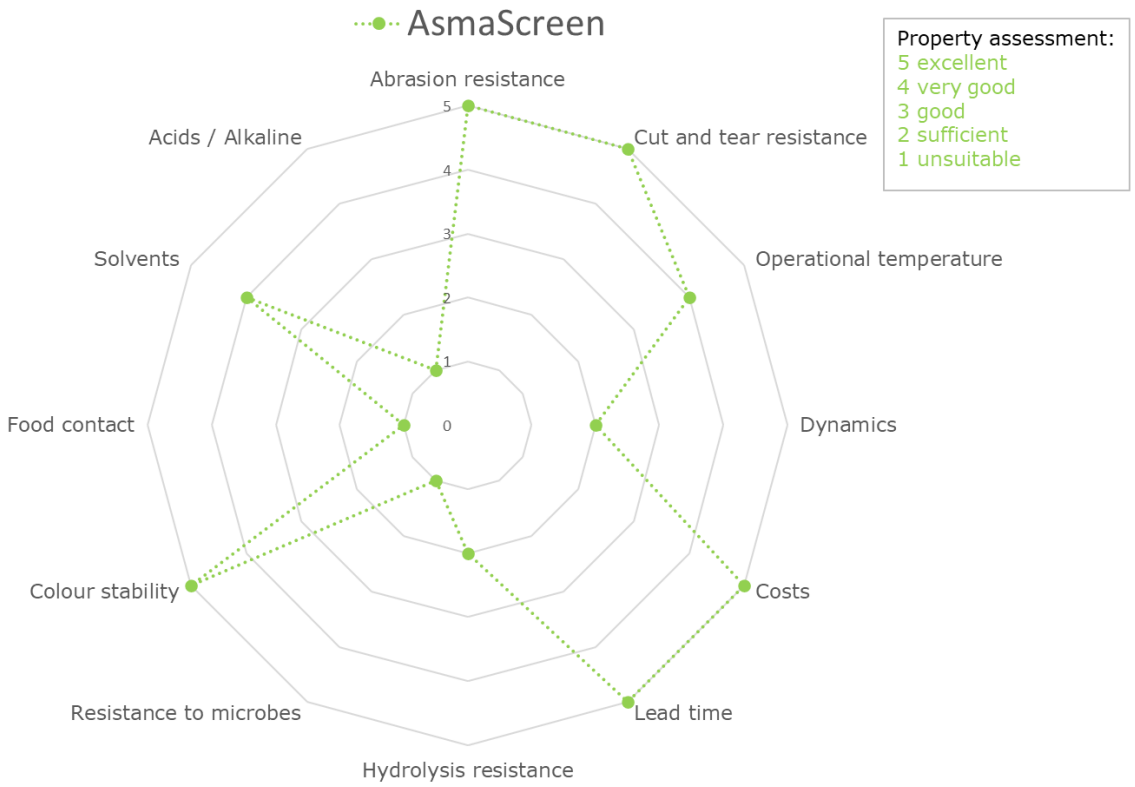
Application properties

AsmaScreen

Chemical base	Polyester based polyurethane (PUR)
Characteristics	Highly wear-resistant casting polyurethane system with very good cutting resistance, specially developed for screening applications.
Operational areas	Highly stressed screening systems (flip-flow screens, modular screens). Special applications for mechanical and plant engineering.
Specific advantages	Highest wear resistance of all polyurethane systems against abrasion and erosion.
Specific resistances	
Operating temperature	Long-term use from -20 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)
Hardness range	87 Shore A, further hardness settings on request
Colours	Natural (white), green
Alternatives	For waste and compost treatment Asmaprene C with good microbial and hydrolysis resistance.
Remarks	

Material characteristics

AsmaScreen



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