



Wir gießen
Ihre Ideen
in Form

We cast your ideas



Kunststofftechnik PUR

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Product information

Characteristic values

ASMACELL-Series

Property	Test specification	Units	Asmacell		
			400	600	800
Density		Kg/m ³	400	600	800
Hardness, Shore A/D	ISO 868	Shore A Shore D	41	59	73
Tensile strength	ISO 37	N/mm ²	4	6	8
Modulus 100%	ISO 37	N/mm ²	0,9	1,3	1,8
Modulus 300%	ISO 37	N/mm ²	1,8	2,6	3,0
Elongation	ISO 37	%	600	630	670
Tear strength (with nick)	DIN 53515	N/mm	7	12	15
Abrasion loss	DIN 53516	mm ³	560	330	280
Resilience	ISO 4662	%	30-60	30-60	30-60

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
Rev-Nr. 01-2014 PR / 18.05.2019



Charakteristics

ASMACELL-Series

Chemical base	Micro-cellular polyurethane elastomer, polyester based
Characteristic	ASMACELL complement compact polyurethane elastomers (such as Asmaprene and Asmathane) for applications where a higher ability to deforming and lower compression resistance is required as in compact elastomers.
Operational area	Shock absorbers, impact buffer, damping elements, decoupling, cabin dampers in cable cars, elevators, trucks and agricultural machinery, industrial manufacturing plants, fun parks and more. Special applications in machine- and equipment construction.
Specific advantages	In the range up to 30% compression almost no lateral deformation, up to 80% compression without damaging of elastomer structure, minor permanent deformation after longer compression, high elasticity as high energy adsorption application-specific adjustable. Closed outer skin
Specific resistance	Generally very good resistance against mineral oils and fats. For special applications, contact our technical staff regarding resistance!
Working temperature	Long-term use -25 up to +40°C (wet), +80°C (dry), short-term use up to +100°C (dry). For use in permanent contact with water at temperatures >50°C not suitable (risk of hydrolysis)!
Density/ Hardness	Density 350-800 kg/m ³ , corresponding to the density hardness approx. 20-60° shore A.
Colors	Nature (white), black
Alternatives	
Remark	