



Wir gießen
Ihre Ideen
in Form

We cast your ideas

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Product information

Characteristic values

ASMAPRENE FPS-Series

Properties	Test specification	Unit	Asmaprene FPS				
			30	35	40	45	53
Hardness, Shore A/D	ISO 868	Shore A Shore D	30	35	40	45	53
Tensile strength	ISO 37	N/mm ²	4	6	8	11	15
Elongation	ISO 37	%	380	440	490	620	800
Tear strength (with nick)	ISO 34-1	N/mm	5	6	8	10	12
Abrasion loss	ISO 4649-A	mm ³	200	160	110	72	38
Rebound resilience	ISO 4662	%	32	34	36	37	38
Compression set 72h/23°C 24h/70°C	ISO 815-1	%	<1	<1	<1	1	2
Specific Gravity		g/cm ³	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.

Characteristics

ASMAPRENE FPS-Series

Chemical base	Polyester based polyurethane special system
Characteristics	Particularly developed cast polyurethane system for wear-resistant and extremely deformable applicator rollers with maximum resistance to a variety of different solvents.
Operational area	Roller coating of wood, metal, plastic or glass surfaces with aqueous, UV and solvent-curing coating systems. Rollers, wheels and molded parts in combination with soft hardness formulations and high temperature resistance. Special applications in machine- and plant construction.
Specific advantages	Extreme flexibility and deformability – possibility for roller coating of profiled / curved surfaces with large height differences and radii in one working pass. Excellent homogeneity of the roller surface excellent elasticity, very good grind-ability (can be customized), lowest possible swelling in a variety of solvents, increased continuous use temperature.
Specific resistance	Very good resistance, lowest and reversible swelling in solvents such as: Tetrahydrofuran (THF) n-Methyl-2-pyrrolidone (NMP) Methoxy propyl acetate (MPA) Methoxy propanol (MPO) Methyl ethyl ketone (MEK) Ethanol Acetone Toluene Ethyl acetate, butyl acetate Trimethylbenzene Benzophenone Dipropylenglykolmethylether (DPM) as well as lacquer polymers and radiation hardeners in UV lacquers. For special applications contact our technical staff regarding resistance!
Working temperature	Long-term use +10°C up to 95°C (dry), short-term use up to 110°C (dry), in contact with hydrocarbon solvents and alcohols depending on chemicals.
Hardness	30-53 Shore A, hardness range 60-95° Shore A upon request
Colors	White, yellow
Alternatives	
Remarks	