



Elastollan[®] Soft

with softness other TPU's
dream of, with toughness
other elastomers admire

Brand new Elastollan Soft is:

- Super soft (38-45 shore A)
- Tough (wet grip, abrasion resistance)
- Phthalate free
- Transparent



BASF

The Chemical Company

We look forward to providing you more details about
Elastollan Soft for your creative applications.

Elastollan® Soft

Leading through Innovation

Features

- excellent wet slip resistance
- excellent abrasion resistance
- low temperature flexibility
- excellent transparency
- hydrolysis resistance
- chemical resistance

Available Grades

- Elastollan Soft 35A
- Elastollan Soft 45A
- Elastollan Soft 60A
- Elastollan Soft 70A

Physical Properties	Unit	DIN	ISO	35AP	45AP	60A	70A
Hardness	Shore A	53505	868	38	46	60	70
Density	g/cm ³	DIN EN ISO		1.18	1.18	1.21	1.21
Tensile Strength	MPa	53504	37	16	34	30	30
Elongation at Break	%			1050	950	600	500
Tear Strength	KN/m	DIN ISO 34-1/B/B		27	42	40	50
Abrasion Loss	mm ³	53516	4649	125	30	40	40

Comparison of Mechanical Properties for various Elastomers

Characteristic / Material	Elastollan Soft	Soft PVC	Rubber	PUR	
Tensile Strength	◆◆	○	○	◆	
Elongation	◆	-	◆	◆	
Wear and Tear Resistance	◆◆	○	◆	◆◆	
Abrasion Resistance	◆◆	--	○	◆	
Cold Flex	◆	-	○	◆	
Dry Slip	◆	◆	◆◆	◆	
Wet Slip	◆◆	◆	◆	◆	
Chemical Resistance	◆	○	○	◆	
	--	-	○	◆	◆◆
	Very Poor	Poor	Neutral	Good	Very Good

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