

## Silicone Tube – צנרת סיליקון

**WACKER** **SILICONES**
**ELASTOSIL®**

# ELASTOSIL® R 401

HCR silicone

### Characteristics

Vulcanizates made from these compounds exhibit an unique combination of characteristics. They are noted for their good flexibility, high transparency, and mechanical properties. The compounds are easily pigmented with ELASTOSIL® PT Pigment Pastes and have good processing characteristics. The various grades can be mixed with each other in any proportion to achieve intermediate hardnesses.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case, however, the properties required for the intended use must be checked for quality assurance reasons.

### Safety information

Detailed safety information is contained in each material data safety sheet, which can be obtained from our sales offices.

### Product data

Property	Test method	Unit	ELASTOSIL® R 401			
			20	30	40	
Hardness Shore A	DIN 53 505		20	30	40	
Curing agent			E*	E	C1	E C1
Appearance			Translucent	Translucent	Transparent	
Specific gravity ± 0,02	DIN EN ISO 1183-1 A	[g/cm <sup>3</sup> ]	1.11	1.11	1.12	
Tensile strength	DIN 53 504 S 1	[N/mm <sup>2</sup> ]	9	10	10	10 12
Elongation at break	DIN 53 504 S 1	[%]	1,000	730	820	610 800
Tear resistance	ASTM D 624 B	[N/mm]	19	15	17	17 21
Rebound resilience	DIN 53 512	[%]	39	54	53	55 51
Compression set	DIN ISO 815-B (22 h / 175 °C)	[%]	36	30	20	30 20

\*0,8 % Curing Agent E

These figures are intended as a guide and should not be used in preparing specifications.

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**Product data**

Property	Test method	Unit	ELASTOSIL® R 401					
Hardness Shore A	DIN 53 505		50		55		60	
Curing agent			E	C1	E	E	C1	
Appearance			Transparent		Transparent		Transparent	
Specific gravity ± 0,02	DIN EN ISO 1183-1 A	[g/cm <sup>3</sup> ]	1.13		1.13		1.14	
Tensile strength	DIN 53 504 S 1	[N/mm <sup>2</sup> ]	11	12	11	11	11	
Elongation at break	DIN 53 504 S 1	[%]	550	680	490	490	580	
Tear resistance	ASTM D 624 B	[N/mm]	21	24	18	21	24	
Rebound resilience	DIN 53 512	[%]	53	52	59	59	58	
Compression set	DIN ISO 815-B (22 h / 175 °C)	[%]	35	25	35	25	12	

\*0,8 % Curing Agent E

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**Product data**

Property	Test method	Unit	ELASTOSIL® R 401					
Hardness Shore A	DIN 53 505		70		80		90	
Curing agent			E	C1	E	C1	E	C1
Appearance			Transparent		Transparent		Transparent	
Specific gravity ± 0,02	DIN EN ISO 1183-1 A	[g/cm <sup>3</sup> ]	1,18		1,21		1.22	
Tensile strength	DIN 53 504 S 1	[N/mm <sup>2</sup> ]	11	10	9	9	9	7
Elongation at break	DIN 53 504 S 1	[%]	520	500	430	380	320	320
Tear resistance	ASTM D 624 B	[N/mm]	26	24	25	22	18	19
Rebound resilience	DIN 53 512	[%]	51	53	52	50	55	54
Compression set	DIN ISO 815-B (22 h / 175 °C)	[%]	35	20	55	25	55	35

\*0,8 % Curing Agent E

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