

## LEP 301 / 401 / 501 Preliminary Technical Data Sheet/ Vorläufige Technische Daten

### Description

Silicone elastomer at medium Shore A hardness based on Polydemethyl vinyl siloxanes

### Applications

Gaskets and sheeting for industrial Applications, e.g. light and automotive industry, heat shielding, electrical insulation, separating film,

### Advantages

- Excellent temperature resistance • Good fire resistance;
- high mechanical properties;
- very durable compared to organic elastomers;
- remarkable chemical resistance; • outstanding ozone and UV resistance;
- low compression set;
- ingredients conform with FDA and BfR listed raw materials

### Delivery form - standards

width: 1200 mm

roll length: 5m und 10m

thickness: 0,5 mm bis 10 mm.

colours: transparent, black and red  
brown

Additional width and length as well as thicknesses and colours are available upon request.

### Beschreibung

Siliconelastomer auf der Basis von VMQ im mittleren Shore A Härtebereich.

### Anwendungen

Dichtungen und Folien für Industrielle Anwendungen, z.B. Beleuchtungsindustrie, Automobilindustrie, Heizelemente, Hitzeschutz, elektrische Isolierung, Trennfolien,

### Vorzüge

- Ausgezeichnete Temperaturstabilität • Gute Brandbeständigkeit;
- Hohe mechanische Festigkeit;
- Lange Lebensdauer im Vergleich zu organischen Elastomeren;
- Hervorragende chemische Beständigkeit; • Sehr gute Ozon, UV - Beständigkeit;
- Niedriger Druckverformungsrest;
- Formuliert gemäß FDA und BfR Rohstoffliste

### Lieferform - Standard

Breite: 1200 mm

Rollenlänge: 5m und 10m

Stärken: 0,5 mm bis 10 mm.

Farben: Transparent, schwarz und  
rotbraun

Weitere Breiten und Längen sowie Stärken und Farben auf Anfrage erhältlich.

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## Preliminary Technical Properties / Vorläufige Technische Eigenschaften

Properties / Eigenschaften	Unit / Einheit	Typical Values / Typische Werte			Test Methods / Prüfverfahren
	Type/Typ	LEP 301	LEP 401	LEP 501	
Polymer Type / Polymerbasis		VMQ			ISO 1629
Density / Dichte	g/cm <sup>3</sup>	1,10	1,13	1,15	ISO 2781
Hardness / Härte	Shore A	30	40	50	DIN 53505
Tensile Strength / Zugfestigkeit	MPa	7,5	8,0	8,5	DIN 53504
Elongation / Reißdehnung	%	550	520	450	DIN 53504
Tear Strength / Weiterreißfestigkeit	N/mm	20	23	25	ASTM D 624 B
Compression Set / Druckverformungsrest	%	35	30	30	ISO 815
Temperature Range / Therm. Beständigkeit	°C	- 55 + 235 (red brown) + 200 (translucent)			

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