

WACKER

CREATING TOMORROW'S SOLUTIONS

ELASTOSIL®

TEXTILE COATING

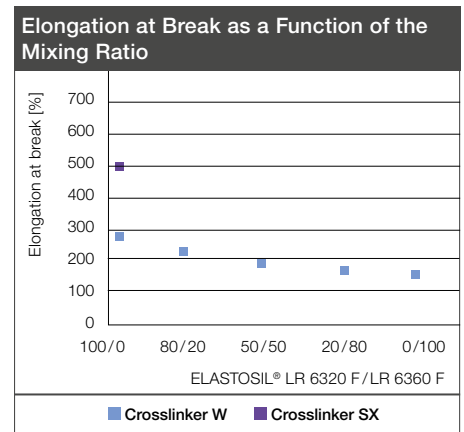
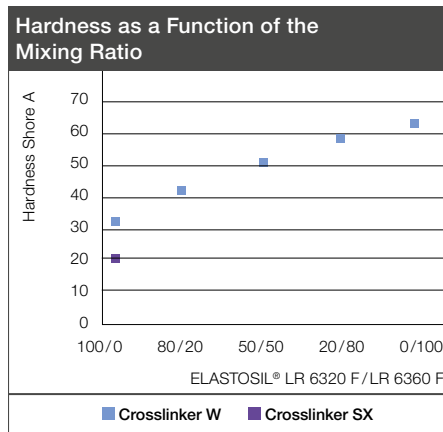
THE NEW STANDARD FOR MAXIMUM FLEXIBILITY

ELASTOSIL® LR 6320 F and ELASTOSIL® LR 6360 F

MIX AND MATCH!

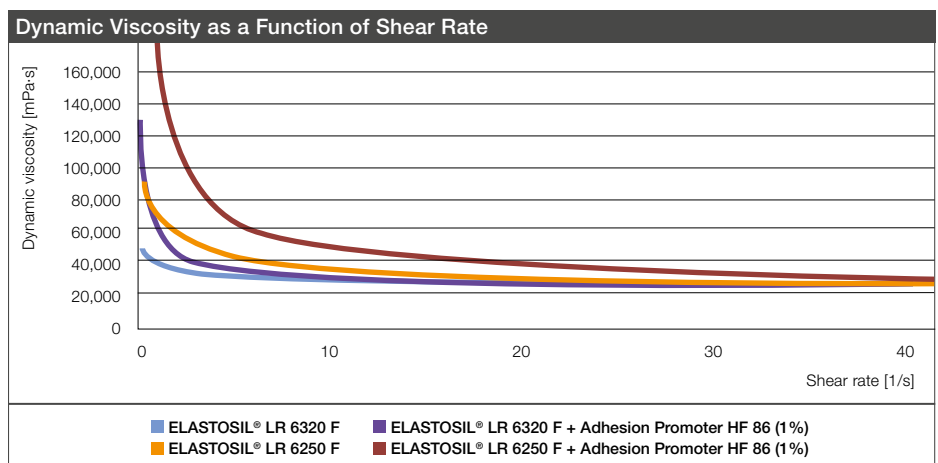
ELASTOSIL® LR 6320 F and LR 6360 F are solvent-free, free flowing silicone rubbers for all kinds of textile coating applications. When heated above 120 °C these systems form a highly flexible silicone elastomer film with good bonding to a large variety of textiles.

ELASTOSIL® LR 6320 F and LR 6360 F are mixable to cover a broad range of mechanical properties: From soft to hard, from flexible to stiff. With the newly introduced ELASTOSIL® Crosslinker SX, even ultra-soft coatings (20 Shore A) with very high elongation at break values can be realized. In addition to that, ELASTOSIL® LR 6320 F and LR 6360 F are perfectly suitable when adhesion to the textile is essential. In contrast to many other silicone coating grades these new systems do not show the unwanted excessive viscosity increase when adhesion promoters are applied to the coating formulation. They remain free flowing even after the addition of bigger amounts of adhesion promoters like GENIOSIL® GF 80 or WACKER® Adhesion Promoter HF 86. Finally ELASTOSIL® LR 6320 F and LR 6360 F are compatible with all ELASTOSIL® LR additives like catalysts, inhibitors or ELASTOSIL® COLOR PASTES FL. For further details consult our brochure “Powerful Silicone Solutions for Technical Textiles”.



Mixing Table ELASTOSIL® LR 6320 F / LR 6360 F + WACKER® Crosslinker W (Recommendation)

	Mixing ratio [parts]				
ELASTOSIL® LR 6320 F	100	80	50	20	0
ELASTOSIL® LR 6360 F	0	20	50	80	100
WACKER® Crosslinker W	1	1.8	3.0	4.2	5





Special Characteristics

- Low viscosity material for general purpose coating applications
- Solvent free
- High flexibility in hardness ranging from 20 to 60 Shore A, dependent on formulation
- Good adhesion to a wide variety of textiles
- Limited influence of adhesion promoters on viscosity and processability
- Compatible with all ELASTOSIL® LR and R *plus* additives
- Suitable for sensitive applications (compliant with the positive lists of Recommendation XV. Silicones of the BfR and FDA 21 CFR §175.300 Coatings)



Product Information ELASTOSIL® LR 6320 F

Property	Test Method	Unit	Value
Product Data Uncured			
Appearance			Translucent
Density			
Viscosity	DIN EN ISO 3219 / 25 °C, D = 1/s	[mPa·s]	28,000
	DIN EN ISO 3219 / 25 °C, D = 10/s	[mPa·s]	23,000
Product Data (Mixed with 10% ELASTOSIL® Crosslinker SX)			
Hardness Shore A	ISO 7619-1		20
Tensile strength	ISO 37 type 1	[N/mm ²]	3.0
Elongation at break	ISO 37 type 1	[%]	450
Product Data (Mixed with 3% ELASTOSIL® Crosslinker 525)			
Hardness Shore A	ISO 7619-1		35
Tensile strength	ISO 37 type 1	[N/mm ²]	3.1
Elongation at break	ISO 37 type 1	[%]	240
Product Data (Mixed with 1% WACKER® Crosslinker W)			
Hardness Shore A	ISO 7619-1		37
Tensile strength	ISO 37 type 1	[N/mm ²]	2.9
Elongation at break	ISO 37 type 1	[%]	210

Product Information ELASTOSIL® LR 6360 F

Property	Test Method	Unit	Value
Product Data Uncured			
Appearance			Translucent
Density			
Viscosity	DIN EN ISO 3219 / 25 °C, D = 1/s	[mPa·s]	38,000
	DIN EN ISO 3219 / 25 °C, D = 10/s	[mPa·s]	28,000
Product Data (Mixed with 5% WACKER® Crosslinker W)			
Hardness Shore A	ISO 7619-1		60
Tensile strength	ISO 37 type 1	[N/mm ²]	5.0
Elongation at break	ISO 37 type 1	[%]	150



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