

COMPARISON TABLE LIQUID SILICONE RUBBERS (LSR)

Grade	Abbreviation	Standard Colour	Mechanical properties					Characteristics							Comments	
			Tensile strength	Elongation at break	Tear strength	Compression set at high temp	Hardness (Shore A)	Oil resistant	High tear res.	Self adhesive	Non-postcure	Fast curing	FDA-appr. (Food)	USP Cl.VI -appr. (Medical)		
Standard	LR3003	Transp.	■	■	■	■	10-80							■	■	All-round purposes, high mechanical strength
Standard	LR3004	Transp.	■	■	■	■	20-80						■	■	■	High mechanical strength, short cycle time
Standard	LR3043	Transp.	■	■	■	■	30-60		■					■	■	High tear strength (masks, baby pacifiers), for articles subj
Standard	LSR20X0	Transp.	■	■	■	■	10-80									All-round purposes
Standard	LSR21X0	Grey	■	■	■	■	50-70	■								Resistant to mineral oils
Standard	LSR26X0	Transp.	■	■	■	■	10-70		■				■			Higher reactivity (comp. to 20x0-series)
Standard	LSR40X0	Transp.	■	■	■	■	20-70							■	■	Medical grade, sterilisable, high stability
Standard	LSR4640	Transp.	■	■	■	■	40						■	■	■	High stability and reactivity, Class VI
Specialty	LR3001	Grey	■	■	■	■	50									Enhanced flame resistance, corresp UL 94 VO
Specialty	LR3044	Transp.	■	■	■	■	60						■			High clarity
Specialty	LR3162	Black	■	■	■	■	50									Electrically conductive
Specialty	LSR2345/XX	Black	■	■	■	NN	40, 52									Electrically conductive
Specialty	LSR5150	Transp.	■	■	■	NN	50									High clarity

■ Poor                      ■ Sufficient                      ■ Reasonable                      ■ Good

These data are only as guidance and should be used accordingly. No rights can be derived. It is strongly recommended to check and test selected material with each single specification.

ZORGE Industrie B.V.  
Postal address:  
P.O. Box 3068  
2220 CB Katwijk (ZH)  
The Netherlands

ZORGE Industrie B.V.  
Visiting address:  
Lageweg 3  
2222 AG Katwijk (ZH)  
The Netherlands

T +31 (0)71 402 32 34  
F +31 (0)71 402 72 61  
E info@zorge.com  
W www.zorge.com  
KvK Leiden 28025565

Bank: Rabobank – Katwijk NL  
Bankrekening nr: 10.51.56.639  
BIC: RABO NL 2U  
IBAN: NL62 RABO 0105156639  
BTW nr: NL 008 463 992 B01



COMPARISON TABLE LIQUID SILICONE RUBBERS – LSR (CONTINUED)

Grade	Abbreviation	Standard Colour	Mechanical properties					Characteristics							Comments	
			Tensile strength	Elongation at break	Tear strength	Compression set at high temp.	Hardness (Shore A)	Oil resistant	High tear res.	Self adhesive	Non-postcure	Fast curing	FDA-appr. (Food)	USP Cl.VI -appr. (Medical)		
Self lubricant	LR3072	Opaq.	■	■	■	■	30, 40			■	■					Self adhesive, non-postcure
Self lubricant	LR3080	Opaq.	■	■	■	■	30-50				■					Non-postcure, high self lubricant
Self lubricant	LR3089	Opaq.	■	■	■	■	30-60				■					Non-postcure, low self lubricant
Self lubricant	LSR27X5/XX	Transp.	■	■	■	NN	30-50			■	■					Self adhesive, non-postcure
Self lubricant	LSR3286/XX	Transp.	■	■	■	■	40-70				■					Non-postcure, self lubricant, low compr set
Self adhesive	LR3070	Transp.	■	■	■	■	10-60			■						Standard selfadhesive grade for hard-soft composites
Self adhesive	LR3071	Transp.	■	■	■	■	40, 50			■			■			BgVV/FDA compliant, foodstuffs applications
Self adhesive	LR3076	Beige	■	■	■	■	50, 70	■		■						Self adhesive to PBT, PA, metals, oil resistant
Self adhesive	LR3471	Transp.	■	■	■	■	50		■	■			■			Improved tear strength, FDA compl.
Self adhesive	LSR2752	Transp.	■	■	■	NN	52			■			■			Food contact
Self adhesive	LSR2760	Transp.	■	■	■	NN	60			■						High temp stability, excell stab at low temp
Non-postcuring	LSR26X1	Transp.	■	■	■	■	30-70		■		■	■				Aging and outdoor resistance
Non-postcuring	LR3023	Opaq.	■	■	■	■	40-60				■					General media resistance (coolants, alcohols)
Non-postcuring	LR3005	Transp.	■	■	■	■	30-70		■		■	■				For technical applications (CS, NPR)
Non-postcuring	LR3013	Beige	■	■	■	■	50-70	■			■					Enhanced swelling in oils, fuels, nonpolar solvents

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