

PROPERTIES OF RTV-2 SILICONE RUBBERS

CRITERIA OF CHOICE								RUBBER PARAMETERS											
SILICONE RUBBER			Mould		Properties of the mould			BEFORE CURING					CURING			AFTER CURING			
								Base (part A)			Catalyst (part B)								
TYPE	PRODUCT NAME	Short characteristics of cured rubber	Simple	Composite	Flexibility	Tear resistance	Thermal resistance [°C] approx.	Colour	Specific gravity [g/cm ³] at 20°C	Viscosity at 25°C, [cP] approx. Approx.	Symbol	Catalyst dose for 100 weight parts of rubber	Minimum pot life [min] at 23°C and humidity	Demoulding time in hours at 23°C and humidity 35%	Hardness, [°ShA], approx. Approx.	Tensile strength [MPa], approx.	Elongation at break [%] approx.	Linear shrinkage [%] ca. after 7 days of stabilizing at 23°C	
POLYCONDENSATION RUBBERS	POLASTOSIL® M-56	Rubber with strong hardness	X				180	red	1.15	45000	OL-1	5	30	24	65	2.0	100	2	
	POLASTOSIL® M-33	Medium hard with good tearing resistance	X	X			180	white	1.10	50000	N or OL-1	5 (N) 3 (OL-1)	30	12 (N) 24 (OL-1)	42 (N) 45 (OL-1)	2,5 (N) 3,5(OL-1)	150(N) 130 (OL-1)	0,3 (N) 2 (OL-1)	
	GUMOSIL® B	Flexible with low hardness	X	X	X		180	white	1.10	20000	OL-1	3	30	24	35	1.5	150	1	
	GUMOSIL® E	Very flexible with low hardness	X		X		180	white	1.10	50000	OL-1	2	30	24	25	1.0	160	1	
	GUMOSIL® K	Flexible with good tearing resistance	X	X	X	X	180	white	1.20	15000	N or F*	5	30	12	20 (N) 22 (F)	3,5 (N) 2 (F)	400 (N) 200 (F)	0,3 (N) 1 (F)	
	GUMOSIL® WW	Flexible with good tearing resistance	X	X	X	X	180	white	1.20	30000	N or F*	5	30	12	20 (N) 21(F)	4.0	450 (N) 400 (F)	0,3 (N) 1 (F)	
	GUMOSIL® M	Flexible with good tearing resistance	X	X	X	X	150	white	1.20	45000	81R	5	90-120	24	21	4.7	600	Max. 0,4	
	GUMOSIL® S	Flexible with low hardness and good tearing resistance	X	X	X	X	max. 150	white	1.1	30000	N	5	30	12	25	3,5	450	max. 0,4	
	GUMOSIL® T	Hard, resistant to sudden and extensive temperature changes	X				300	red	1.20	25000	T-2	4	30	24	55	3.0	150	1	
ADDITION RUBBERS	GUMOSIL® AD-1	Flexible with high resistance to tension	X	X	X	X	180	transparent	1,10	30000	AD-1/B	10	60	16	30	8,0	650	0,1	
	GUMOSIL® AD-1S	For food grade moulds	X	X	X	X	150	transparent	1,10	30000	AD-1S/B	10	30	16	30	7.5	500	.0,1	
	GUMOSIL® AD-4	Rubber with strong hardness and mechanical resistance	X	X	X	X	200	beige	1,20	110000	AD-4/B	10	30	18	60	6,0	210	0,1	