

Stobicast® Polyurethane Casting Compounds for Electrical Engineering and Electronics



	<i>Electronics, Sensor Technology, Automotive</i>						<i>Transformers, Capacitors, Motors</i>							<i>Cables</i>	<i>Light and LED</i>	
	L 632	L 637	L 622	L 771	L 787	L 781	L 765	L 772	L 777	L 768	L 773	M 618	M 598	K 666	L 653	L 776
Shore Hardness	A 8	A 33	A 55	A 80	A 86	A 87	D 60	D 65	D 65	D 70	D 84	D 85	D 85	D 65	A 65	D 80
Mixing ratio [parts per weight]	100:65	100:12	100:100	100:24	100:12	100:17	100:10	100:15	100:20	100:33	100:25	100:33	1,44	100:35	100:50	100:150
Viscosity (mixed) [25 °C, mPa·s]	1500	2000	1600	600	3000	800	5000	2200	700	400	700	1000	100:40	2500	300	300
Moulding density [g/cm³]	0,92	0,96	1,12	1,26	1,48	1,42	1,88	1,71	1,50	1,25	1,42	1,49	1800	1,22	1,07	1,06
Flexural strength [N/mm²]	-	-	-	-	-	-	-	26	25	35	60	72	90	-	-	40
Tensile strength [N/mm²]	0,25	1	2,5	3	10	5	9	18	15	20	38	53	70	16	2,3	28
Elongation at break [%]	150	130	68	68	70	100	-	22	-	30	-	-	-	85	75	30
Glass transition T_G [°C]	-78	-70	-28	-13	0	0	-	20	-	25	48	80	90	-	20	-
Insulation class	E	B	E	B	F	B	B	B	B	B	B	B	B	-	E	B
Thermal conductivity [W/m·K]	0,2	0,2	0,3	0,4	0,6	0,7	1,1	0,85	0,7	0,38	0,55	0,65	0,65	0,35	0,15	0,18
Flame class [UL 94]	-	-	-	-	-	V-0	HB	HB	V-0	HB	V-0	HB	V-0	HB	-	-
Glow wire resist. GWIT [°C]	-	550	550	550	550	850	550	550	850	550	850	550	850	650	-	-
Water absorption [20 °C, mg]	10	11	13	13		38	15	18	-	18	16	18	16	11	86	15
Dielectric strength [kV/mm]	20	32	32	32	28	24	25	30	30	28	30	30	36	30	28	28
Surface resistance [Ω]	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹⁴	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹³	10 ¹³
Remarkable features	Gel like, not clas- sified	Cold flexible	Very good adhesion	-	Heat resistant	RTI 130	Heat conduc- tivity	Heat conduc- tivity	RTI 130	-	-	-	-	VDE 0291	Crystal- clear	Crystal- clear

Stobicast® casting compounds are for industrial use only, available in **all colours**. Gel and processing times are always **customer specific**. Requirements as of REACH, RoHS, WEEE, and TLV are being fulfilled with all products.