

SELECTION CHART ELPECAST® CASTING COMPOUNDS

Casting Compounds for electronics, sensor technology and lighting electronics

PI 23/65 E-9

Resin base	Operating temperature range [°C]	Colour, transparency (t)	Viscosity of mixture at 20 °C [mPas]* ISO 3219	Shore hardness ISO 48-4		for LED technology	UL approval	ELPECAST® Product name
	-65 -40 90 120 130 200			Shore A (soft)	Shore D (hard)			
Polyurethane (UR)		OPAL t	900-1300	70				VT 3402 KK
		t	750		40			VT 3407
			2300 3000	80				VU 4444/31 SB-WB
			1400	75				VU 4451/51 SB
			1500 3000	55-60				VU 4452
			2500		65			VU 4452/41 SV-HF
	WR adjustment		1000 - 4000 12000, 60000	50-60				VU 4453
			1050-2500		40-60			VU 4457
			1600		65			VU 4459/41 SV-HF
Epoxy (ER)		t	1400		75			VT 3000
			1800 1600 3500 6500		80-85			VU 4085
Silicone (SR)		t	2100	35				VT 3602 KK
			5000	35				VU 4675
			16000	65				VU 4691 E
			4000	40				VU 4694 E

* Comparative viscosity in mPas at 20 °C: water: 1, olive oil: 100, tomato juice: 2000, honey: 10000, jam: 50000

VT = casting compounds, transparent

E = elastic

SB = hardly flammable

WR = water-resistant

/31 = mixing ratio 3:1

VU = casting compounds, opaque

HF = halogen-free

SV = self-extinguishing

KK = crystal-clear

WB = weather proof