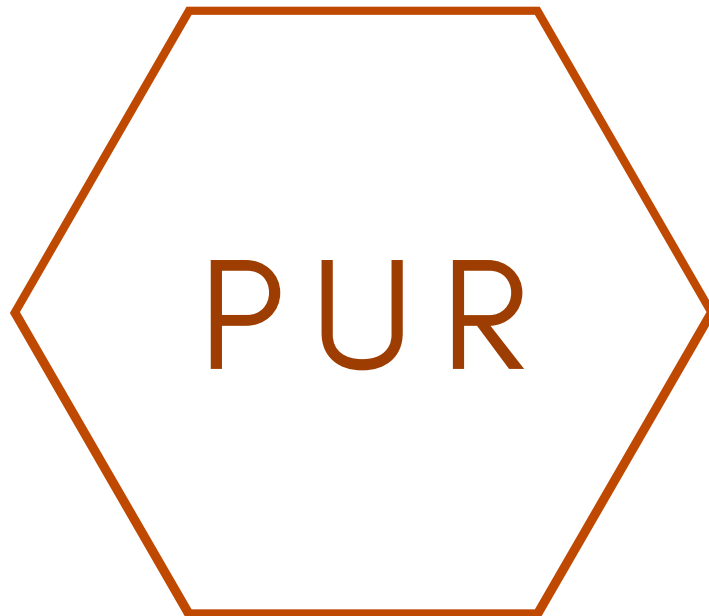




RAIGI  
CASTING RESINS

POLYURETHANE



PUR casting systems											
Resin	R5411	R5720	R6479	R8220	R8237	R9429	R7658	R9209-200	R8809	R8710	R6677
Hardener	VX	VX	F	VF	VX	F	F	F	F	F	L
Mixing ratio (weight)	100/34	100/27	100/24,2	100/77	100/64	100/35	100/12	100/36	100/12,4	100/19,5	100 / 25
Fire Class	-	-	-	-	-	-	-	-	UL 94 V0 1,5 mm		-
Shore Hardness	70 Sh. A	65 Sh. A	85 Sh. A	75 Sh. D	60 Sh. D	90 Sh. D	85 Sh. A	85 Sh.D	55 Sh. D	70 Sh. D	28 Sh. D
Density	1,1	0,96	1,26	1,13	1,12	1,6	1,42	1,55	1,58	1,51	1,3
Polyol viscosity / Hardener viscosity (mPa.s)	1.500/140	7.000/140	2.200/200	500/40	1.500/140	10.000/200	7.800/200	12.000/200	9.500/200	5.000/200	1 200 / 200
Gel time (by 25°C, minutes)	7	65	6	90 secondes	45 secondes	8	32	3	65	50	25 min
Dielectric rigidity (kV/mm)	-	> 40	-	-	-	> 25	20 KV/1mm/6h	> 25	> 30 kV/mm/6h		>20
Dielectric constant (55 KHz)	-	2,9	5,4	-	-	4	5,1	4,3	4,9	4,4	4
Loss factor (55 KHz)	-	0,03	0,075	-	-	0,009	0,08	0,016	0,064	0,046	0,06
Volume resistivity (Ω.cm)	-	1*10 <sup>16</sup>	1,4*10 <sup>12</sup>	-	-	> 10 <sup>15</sup>	1,4*10 <sup>15</sup>	10 <sup>16</sup>	3*10 <sup>12</sup>	4*10 <sup>14</sup>	3*10 <sup>13</sup>
Resistance to mechanical stresses (Mpa)	3,3	4	4,7	29	23	65	2,1	48	5,6	12	3
Elongation at break (%)	175	300	125	17	85	2,5	10	2,3	14	13	40
Shock resistance (kJ/mm2)	-	-	-	-	Unbreakable	7	-	10	-	-	Unbreakable
Thermal conductivity (°C) or (W/m°K)	<5°C 0,2	-	<5°C 0,35	-	70°C	-	-	-	<20°C 0,65	31°C 0,78	>25°C
Advantages	Resists to abrasion and bad weather	Non-filled Hydrolysis resistance	Resists to chemical agents Self-extinguishing	Encapsulation of small parts	High thermal resistance and shock resistance (also at low temperatures)	High thermal resistance Resists to chemical agents	Thermal shocks resistance	Thixotropic after mixing Thermal shocks resistance Resists to chemical agents	UL 94 V0 on small thickness	UL 94 V0 on small thickness Good thermal conductivity Low viscosity	- Low mixed viscosity - Non-toxic
Application	Potting Bundles molding	Potting	Potting	Potting		Potting	Potting	Potting	Potting	Potting	- Encapsulation of delicate components

## Contact

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