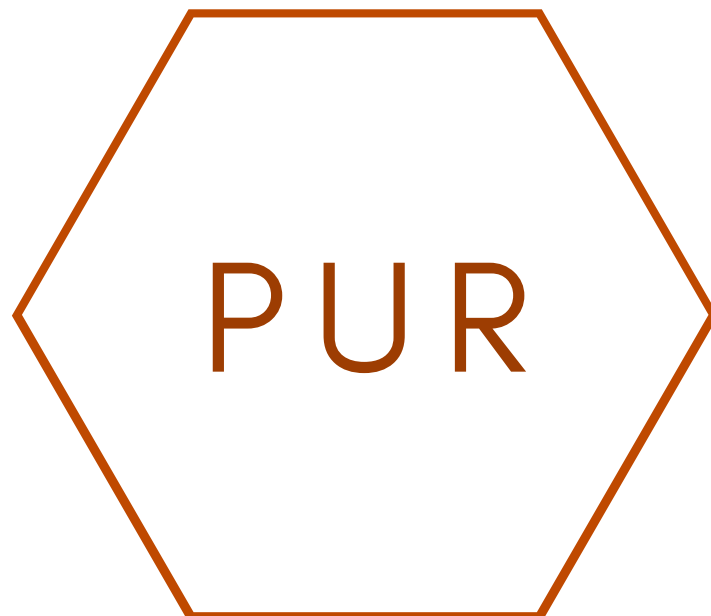




RAIGI RESINS

POLYURETHANE



Product name	Raigthane 8809	Raigthane 8710	Raigthane J7709	Raigthane 9429	Raigthane 9209-200
Resin	R8809	R8710	J7709	R9429	R9209-200
Hardener	F	F	F	F	F
Color	Black	Beige	Grey	Black	Black
Fire Class	UL 94 V0 1,5mm	UL 94 V0 1,5mm	-	-	-
Mixing ratio (weight)	100 / 12,4	100 / 19,5	100 / 11	100 / 35	100 / 36
Shore Hardness	55 Sh. D	70 Sh. D	50 Sh. D	At 25°C : 90 At 60°C : 88 At 130°C : 65	At 25°C : 85 At 80°C : 81
Density	1,58	1,51	1,26	-	1,55
Polyol viscosity / Hardener viscosity (mPa.s)	9 500 / 200	5 000 / 200	15 000 / 200	12 000 ± 2 000 / 200 ± 40	12 000 ± 2 000 / 200 ± 40
Gel Time (by 25°C)	65 min	50 min	40 min	8 min ± 2	180 ± 20 sec
Polymerization	24h at 70°C 70 days at 20°C	24h at 70°C 70 days at 20°C	24h at 70°C 70 days at 20°C	-	24h at 25°C
Dielectric rigidity (kV/mm)	> 30 kV/mm/6h	> 30 kV/mm/6h	> 20	> 25	> 25
Dielectric constant (55KHz)	4,9	4,4	-	≈ 4	4,3
Loss Factor (55KHz)	0,064	0,046	7,50E-02	9,00E-03	1,60E-02
Volume resistivity (Ω.cm)	3*10 ¹²	4*10 ¹⁴	-	> 10 ¹⁵	> 10 ¹⁶
Resistance to mechanical stresses (Mpa)	5,6	12	2,8	65	48
Elongation at break (%)	14	13	50	2.5	2,3
Thermal conductivity (W/(m.K))	0,65	0,78	0,95	0.8	0,8
Advantages	UL 94 V0 on small thickness	UL94 V0 on small thickness, good thermal conductivity, low viscosity	High thermal, conductivity, Correct viscosity	Very rigid material Excellent thermal resistance Excellent adherence to metal and plastic part In accordance with the 2002/95/CE Directive called RoHS's Directive	In accordance with the 2002/95/CE Directive called RoHS's Directive Short gel time Very rigid material
Application	Potting	Potting	Cables accessories (low voltage)	Transformer & winding encapsulation Connexions & condensers embed	Sealings and provides mechanical protections

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