

Polyurethane Resins									
Typical Properties	UR5041	UR5044	UR5048	UR5528	UR5547	UR5604	UR5097	UR5608	UR5618
Base Material	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Thermal Conductivity (W/mK)		0.25		0.245	0.35	0.45	0.65	0.45	0.45
Density (g/ml)	1.18	1.5	0.95	1.07	1.6	1.54	1.49	1.59	1.59
Mixed System Viscosity (cPs Brookfield)	2500	3400	980	2000	4000	2000	6000	2000	2000
Temperature Range (°C)	-60 to +125	-60 to +120	-60 to +100	-50 to +125	-50 to +110	-40 to +110	-40 to +110	-40 to +100	-40 to +100
Max Temperture Rating (Short Term °C)	130	130	100	130	120	130	130	120	120
Dielectric Strength (kV/mm)	20	17.7	18	25	14	18	18	18	18
Volume Resistivity (ohm-cm)	10 ¹⁵	10 ¹⁰	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
Usable Life (Minutes @Room temp)	20	30	20	20	20	40	20	30	12
Gel Time (Minutes @Room temp)	60	65	40	35	50	90	80	60	20
Cure Time (Hours @Room temp)	36	24	48	72	24	24	36	24	24
Cure Time (Hours @60°C)	4	3	4	5	3	3	4	3	3
Cure Time (Hours @100°C)	-	-	-	-	-	-	-	-	-
Shore Hardness	A85	A40	A12	D57	A80-A90	A75	A85	D50	D50
Colour	Black	Blue	Clear	Black	Black	Black	Black	Black	Black
Special Property	Water Resistant	Soft, Re-enterable	Soft, Low Stress	Hard, Tough and High Adhesion	Excellent Adhesion	Flexible, Tough and High Adhesion	Flame Retardant and High Thermal Conductivity	Tough, Rigid	Fast UR5608
Flame Retardancy	No	Yes UL94V-0	No	No	Yes	Yes UL94V-0	Yes UL94V-0	Yes UL94V-0	Yes UL94V-0

Disclaimer: All information is given in good faith but without warranty.