Innovation Polymers Material Properties

Thermoset materials		Hardness	Sp.Gr.	Tensile	Elongation	Tear Die-C Pli	Atten. dB/mm@ 5MHz	Velocity m/s	dV/dT m/s/°C	B/A ratio	Heat resistance *	Chemical Resistance to OIL	Glass Transition
Aqualene	M310	30					-0.26	1559			200C	Poor	-90
Aqualene	M320	35	0.92				-0.15	1569			200C	Poor	-90
Aqualene	M200	40	0.92	260	140	20.6	-0.22	1589	-3	0.92	200C	Poor	-90
Aqualene	M250	45	0.92	260	140	20.6	-0.22	1584	-3	0.92	200C	Poor	-90
Aqualene	M300	58	0.92	120	27	-	-0.33	1585	-3	1.22	200C	Poor	-90
Aqualene	M350	70									200C	Poor	-90

Thermoplastic materials		Hardness	Sp.Gr.	Tensile	Elongation	Tear Die-C Pli	Atten. dB/mm@ 5MHz	Velocity m/s	DV/DT m/s/C	B/A ratio	Heat resistance	Chemical Resistance to OIL	Glass Transition
ACE Clear	400	42	0.92	1400	1200	-	-0.99	1541	-	-	60 C	poor	-80C
ACE Black	410	45	0.93	700	550		-1.11	1530			60 C	poor	-80C
Aqualink	100	5	0.87	300	1100	50	-0.44	1489	-	-	60 C	poor	-80C

Silicone Based materials		Hardness	Sp.Gr.	Tensile	Elongation	Tear Die-C Pli	Atten. dB/mm@ 5MHz	Velocity m/s	DV/DT m/s/C	B/A ratio	Heat resistance	Chemical Resistance to OIL	Glass Transition
AquaSilox	100	23	1.02	300	575	34	-0.80	1001			300C	OK	-80C
AquaSilox	140	40	1.13	847	573	95	-1.64	1024			300C	OK	-80C

Urethane Based materials		Hardness	Sp.Gr.	Tensile	Elongation	Tear Die-C Pli	Atten. dB/mm@ 5MHz	Velocity m/s	DV/DT m/s/C	B/A ratio	Heat resistance	Chemical Resistance to OIL	Glass Transition
AquaCyan	100	90	1.06	4500	450	75	-3.333	1727			60 C	Good	-60C