

樹脂材料パラメーター

	GR	HTL	HEK	UTL	BIO	RG	MED
Viscosity@25°C (cp)	25	85	450-500	185	25	1100	1200
Tensile Strength(Mpa)	57.8	57.0	43.2	6.8	34.9	57.0	53.3
Elongation at break (%)	11.7	6.7	12.2	54.5	5.5	11.8	9.8
Elastic Modulus (Mpa)	247	383	376	10	553	274	423
Flexural Strength(Mpa)	66.6	112.9	50.6	n/a	102.0	90.0	105.0
Flexural Modulus (Gpa)	1.8	2.8	1.7	n/a	2.3	2.7	2.6
CTE(60C) um/m/C	51.0	47.5	109.0	150.0	60.0	130.0	50.0
HDT (@0.45Mpa)	75.0	114.2	51.5	<30	109.1	56.5	70.0
Hydrophilic (Contact angle)	45-60	45-60	45-60	45-60	45-60	45-60	45-60
Water Absorption(24h)	12.41%	1.05%	2.28%	3.14%	0.56%	0.77%	0.75%
Dielectric Contant (10GHz)	n/a	3.45	3.30	n/a	2.99	n/a	2.92
Dielectric loss(10GHz)	n/a	0.0245	0.0225	n/a	0.0311	n/a	0.0182
Hardness (ShoreD)	80.0	81.0	78.0	69.0	80.0	77.0	84.0