

		Simulates	Colour	Pigment-able	Shore Hardness @ 23°C	Flexural Strength (MPa)	Flexural Modulus (MPa)	Tensile Strength (MPa)	Tensile Modulus (MPa)	Elongation @ Break (%)	Heat Deflection Temp. (°C)	Specialist Properties
Engineered Materials – Rigid & Semi Rigid	SG95	ABS	Transparent	Yes	82D	88.6	2195	2521	54	12	72 (°C)	Optical Properties.
	PX 225 OP	ABS/PC	Opalescent	Yes	85D	110	2500	70	-	9	-	Opalescent Thermoplastic
	PR 403	PS/HDPE	White	Yes	74D	65	1700	47	4850	6	75	Polystyrene Shock Prototype Parts
	F180	ABS	Beige	Colour Dep.	74D	34	-	-	-	15	-	Good Impact Resistance
	PX 205	HDPE	Cream/Beige	Colour Dep.	70D	30	500	25	530	100	55	Unbreakable Hinge
	8040	PP	White Transparent	Yes	70D	42	1050	27	942	50	65	
Specialist Materials	VC 3398	ABS/PC	Clear	Yes	85-90D	70-75	1500-2000	58-63	-	6-7	130-140	Water Clear Thermoplastic
	PX 5212	PC	Water Clear	Yes	85D	110	2400	66	2400	7.5	85	Water Clear up to 10mm Thickness, UV Stable
	PX 5211	PMMA	Water Clear	Yes	85D	100	200	65	2200	7	85	Water Clear up to 50mm Thickness, UV Stable
	PX 330	ABS	Off White	Yes	87D	126	3400	70	4000	3.0	-	Flame Retardant – UL94 V-0
	8060 HT	PP/PE	Translucent Yellow	Colour Dep.	80D	60	1310	47	1225	43	105-175	High Thermal Resistance
	VC3392	ABS	Amber	Colour Dep.	80-85D	80-90	1800-2200	65-70	-	7-10	120	Chemical & Impact Resistance
	9012	ABS	White	Yes	77D	51	1310	40	-	25	90	FDA Food Safe – Wet & Dry
Elastomers	F126	25A Rubber	Translucent Amber	Colour Dep.	25A	-	-	4.9	240	1040	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	F141	40A Rubber	Translucent Amber	Colour Dep.	40A	-	-	6.3	203	670	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	F161	60A Rubber	Translucent Amber	Colour Dep.	60A	-	-	7.8	648	476	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	F181	80A Rubber	Translucent Amber	Colour Dep.	80A	-	-	16.5	2360	550	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	6130	90A Rubber	Translucent White	Yes	90A	-	-	16.5	64.1	200	-	Thin Wall Sections
	UPX 8400	Rubber	Off White	Yes	30 – 95A	-	-	2.1 – 16.2	-	390 – 550	-	Shore 30-95A. High Tear Strength
	VC 3342	55-60A Rubber	Water Clear	Yes	55 - 60A	-	-	1.1 – 1.3	-	65-85	-	Water Clear, UV Stable
	VC332	60-65A Rubber	Transparent Yellow	Colour Dep.	60 – 65A	-	-	6.8 – 8.0	-	250 – 350	-	Excellent Tear Strength
Silicon	Essil 291	38A Silicone	Transparent	Yes	38A	-	-	5	-	350	-	Chemical & Heat Resistance
	SortaClear 18	18A Silicone	Transparent	Yes	18A	-	-	2.93	-	545	-	FDA Compliant
	SortaClear 40	40A Silicone	Transparent	Yes	40A	-	-	5.5	-	400	-	FDA Compliant