

# Vacuum Casting Materials

		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	<b>SG95</b>	ABS	Transparent	Yes	82D	88.6	2195	2521	54	12	72 (°C)	Optical Properties.
	<b>PX 225 OP</b>	ABS/PC	Opalescent	Yes	85D	110	2500	70	-	9	-	Opalescent Thermoplastic
	<b>PR 403</b>	PS/HDPE	White	Yes	74D	65	1700	47	4850	6	75	Polystyrene Shock Prototype Parts
	<b>F180</b>	ABS	Beige	Colour Dep.	74D	34	-	-	-	15	-	Good Impact Resistance
	<b>PX 205</b>	HDPE	Cream/Beige	Colour Dep.	70D	30	500	25	530	100	55	Unbreakable Hinge
	<b>8040</b>	PP	White Transparent	Yes	70D	42	1050	27	942	50	65	
Specialist Materials	<b>VC 3398</b>	ABS/PC	Clear	Yes	85-90D	70-75	1500-2000	58-63	-	6-7	130-140	Water Clear Thermoplastic
	<b>PX 5212</b>	PC	Water Clear	Yes	85D	110	2400	66	2400	7.5	85	Water Clear up to 10mm Thickness, UV Stable
	<b>PX 5211</b>	PMMA	Water Clear	Yes	85D	100	200	65	2200	7	85	Water Clear up to 50mm Thickness, UV Stable
	<b>PX 331</b>	ABS	Off White	Yes	87D	126	3400	70	4000	3.0	-	Flame Retardant – UL94 V-0
	<b>8060 HT</b>	PP/PE	Translucent Yellow	Colour Dep.	80D	60	1310	47	1225	43	105-175	High Thermal Resistance
	<b>VC3392</b>	ABS	Amber	Colour Dep.	80-85D	80-90	1800-2200	65-70	-	7-10	120	Chemical & Impact Resistance
	<b>9012</b>	ABS	White	Yes	77D	51	1310	40	-	25	90	FDA Food Safe – Wet & Dry
	<b>8263</b>	ABS	Translucent White	Yes	83D	93	2200	68	-	-	80	Flame Retardant - UL94V-0
Elastomers	<b>F126</b>	25A Rubber	Translucent Amber	Colour Dep.	25A	-	-	4.9	240	1040	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	<b>F141</b>	40A Rubber	Translucent Amber	Colour Dep.	40A	-	-	6.3	203	670	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	<b>F161</b>	60A Rubber	Translucent Amber	Colour Dep.	60A	-	-	7.8	648	476	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	<b>F181</b>	80A Rubber	Translucent Amber	Colour Dep.	80A	-	-	16.5	2360	550	-	Tough, Good Tear Strength, Ideal for Seals and Gaskets
	<b>6130</b>	90A Rubber	Translucent White	Yes	90A	-	-	16.5	64.1	200	-	Thin Wall Sections
	<b>UPX 8400</b>	Rubber	Off White	Yes	30 – 95A	-	-	2.1 – 16.2	-	390 – 550	-	Shore 30-95A. High Tear Strength
	<b>VC 3342</b>	55-60A Rubber	Water Clear	Yes	55 – 60A	-	-	1.1 – 1.3	-	65-85	-	Water Clear, UV Stable
	<b>VC332</b>	60-65A Rubber	Transparent Yellow	Colour Dep.	60 – 65A	-	-	6.8 – 8.0	-	250 – 350	-	Excellent Tear Strength
	<b>VC 3300</b>	Rubber	Off White	Yes	35 – 95A	-	-	1.5 – 11.5	-	200 – 1100	-	Shore 35-95A. High Tear Strength
	<b>3175</b>	Rubber	Translucent Yellow	Colour Dep	75A	-	-	12	3.5	450	110-130	Flexible Rubber
Silicon	<b>Essil 291</b>	38A Silicone	Transparent	Yes	38A	-	-	5	-	350	-	Chemical & Heat Resistance
	<b>SortaClear 18</b>	18A Silicone	Transparent	Yes	18A	-	-	2.93	-	545	-	FDA Compliant
	<b>SortaClear 40</b>	40A Silicone	Transparent	Yes	40A	-	-	5.5	-	400	-	FDA Compliant

[Request a Quote](#)