



From France import Axson Resins: Thermoplastic equivalent polyurethanes for vacuum casting into RTV silicone molds

Material Simulated	Axson Code	Comment	Tensile Strength MPa	Flexural Modulus MPa	Elongation before break	Brinell Hardness	Density	Max Operating Temperature	Original Colour	Mixing Ratio	Pot Life	Curing Time at 70°C	Shrinkage
PP/HDPE	UP5673	Like Tupperware	25-30	750	75%	65D	1.13	70 <sup>0</sup> C	White	100A/115B	6-7'	60'	0.380%
PP/HDPE	UP5672		30	1050	65%	68D	1.1	74 <sup>0</sup> C	White	100A/125B	6-7'	60'	0.360%
PP/HDPE	UP5671		30-35	1200	55%	74D	1.13	80 <sup>0</sup> C	White	100A/135B	6-7'	60'	0.340%
HIPS	PX100		40	1500	20%	74D	1.06	75 <sup>0</sup> C	White	100A/100B	15'	240'	0.400%
HIPS	PX215		40	1500	20%	75D	1.13	90 <sup>0</sup> C	White	100A/100B	4'	120'	0.200%
ABS/HIPS	PX217		50	1700	7%	77D	1.14	100 <sup>0</sup> C	Cream/Natural	100A/50B	5'	40'	0.550%
ABS	UP4280		85	2100	14%	81D	1.15	93 <sup>0</sup> C	White	100A/200B	5'	30'	0.250%
ABS	PX223HT	High Temp: Boil a Kettle – Stiff	60	2300	11%	80D	1.14	>120 <sup>0</sup> C	Black	100A/80B	7'	60'	0.400%
ABS	PX222HT	High Temp: Boiling Water - Flexible	54	1600	11%	80D	1.16	>140 <sup>0</sup> C	Cream/Natural	100A/80B	5'	45'	
ABS	UP6160	High Temp: Auto Under the Bonnet	65	2100	15%	80D	1.2	>200 <sup>0</sup> C	Light Beige	100A/200B	7'	60'	0.800%
Nylon/PC/ABS	PX226		70	2500	15%	82D	1.08	105 <sup>0</sup> C	Off-white	100A/50B	4'	25'	0.300%
Nylon/POM	PX245/245L*	Ultra Rigid	85	4500	3%	85D	1.22	95 <sup>0</sup> C	Off-white	100A/40B	4'/8'*	45'-60'	0.200%
PC/PMMA	PX521HT Slower	Crystal Clear for Larger/Complex Parts	75	2100	9%	87D	1.05	110 <sup>0</sup> C	Clear	100A/55B	20'	120'-180'	
PC/PMMA	PX522HT Slower	Crystal Clear for Regular Parts	75	2100	9%	87D	1.05	110 <sup>0</sup> C	Clear	100A/55B	8'	45'	

Courtesy of Rapman: China's leading rapid prototyping service bureau