

405 resin Technical Specifications

Attribute	Unit	X110	Rigid110	W900	RC600	RC800	RC900	DM550	Elastic600	Crys100	ABS110	M200
Appearance		White	White/Blue /Gray	Orange Red	Orange Red	Orange Red	Orange Red	Skin	Black/White	Transparent	Black	Coffee
Viscosity @30°C(Liquid)	cps	393	280	190	501	487	650	402	790	295	273	450
Density @25°C(Liquid)	g/cm3	1.15	1.14	1.11	1.13	1.12	1.13	1.13	1.08	1.09	1.11	1.13
Tensile Strength	MPa	28.6	42.7	19.5	43	25.6	26.5	33.9	1.7	27.2	36.4	45
Tensile Modulus	MPa	2100	2900	2200-2300	2800	2200-2300	2250-2300	2900	1.3	2800	2300	3300
Elongation at Break	%	24.4	33.1	43.9	36.7	47.2	47.8	23.3	132	22.3	84.5	33.2
Flexural Strength	MPa	100.1	77.4	45.4	64.8	41.8	48.5	81.8	/	75.6	69.5	84
Flexural Modulus	MPa	2345.8	1674.1	948.8	1409.2	758.1	959.8	1777.8	/	1872	1554.9	1789.2
Izod Impact(Notched)	J/m	24.7	39.3	57.9	38.2	22.8	20.8	35.2	/	31.9	84.5	43.4
Hardness(Shore D)	%	86	85	77	84.5	77	77	84	65	84	84	84
HDT@0.46 MPa	°C	62	65	50	65	50	48	71	/	70	45	65
Water Absorption	%	0.43	0.43	5.43	0.5	0.76	0.77	0.48	0.65	0.36	1.17	0.49