

405 Resin Technical Specifications

Attribute	Unit	X110	Rigid110	W900	RC600	RC800	RC900	Cast100	DM550	Elastic600	Crys100	ABS110	M200
Appearance		White	White/Blue /Gray	Orange Red	Orange Red	Orange Red	Orange Red	Green	Skin	Black/White	Transparent	Black	Coffee
Viscosity @30°C(Liquid)	cps	393	402	190	501	487	650	235	402	749	295	273	402
Density @25°C(Liquid)	g/cm ³	1.15	1.13	1.11	1.13	1.12	1.13	1.09	1.13	1.08	1.09	1.11	1.13
Tensile Strength	MPa	28.6	42.7	19.5	43	25.6	26.5	14.5	33.9	1.7	27.2	36.4	45
Tensile Modulus	MPa	2100	2900	2200-2300	2800	2200-2300	2250-2300	1900	2900	1.3	2800	2300	3300
Elongation at Break	%	24.4	33.1	43.9	36.7	47.2	47.8	41	23.3	132	22.3	84.5	33.2
Flexural Strength	MPa	100.1	77.4	45.4	64.8	41.8	48.5	18.6	81.8	/	75.6	69.5	84
Flexural Modulus	MPa	2345.8	1674.1	948.8	1409.2	758.1	959.8	414.1	1777.8	/	1872	1554.9	1789.2
Izod Impact(Notched)	J/m	24.7	39.3	57.9	38.2	22.8	20.8	21	35.2	/	31.9	84.5	43.4
Hardness(Shore D)	%	86D	85D	77D	84.5D	77D	77D	67D	84D	65A	84D	84D	84D
HDT@0.46 MPa	°C	62	65	50	65	50	48	42	71	/	70	45	65
Water Absorption	%	0.43	0.43	5.43	0.5	0.76	0.77	0.79	0.48	0.65	0.36	1.17	0.49