

HEXETATE 3.0 TECHNICAL DATA SHEET

HEXETATE 3.0 is high performance PMMA RESIN SHEET, which is ready for PLASTIC EYEWEAR FRAME MANUFACTURING. It gives light way, stability, resistance and variety of colors and patterns.

HEXETATE 3.0 following TECHNICAL DATA SHEET that will meet all the needs in EYEWEAR INDUSRY

Topic	Physical Test Items	HEXETATE 3.0 DRYBLOCK HAVANA Test Result	HEXETATE 3.0 Normal Range	Test Standard	Unit	TEST REPORT SOURCE
Physical Properties 物理性能	Density密度	1.14	1.13-1.20	ASTM D792-20	g/cm	CTI REPORT NO.: A2260307128101
	Rockwell Hardness (R Scale) 洛氏硬度(R)	72	70-105	ASTM D785-23	r	CTI REPORT NO.: A2260307128101
	Pencil Hardness 铅笔硬度	HB	HB~2H	ASTM D3363	HB	CTI REPORT NO.: A2260307128101
	Molding Shrinkage Rate 成型收缩率	0.72	0.4~0.8	ASTM D955-21	%	CTI REPORT NO.: A2260307128101
	Plastic Sheet Shrinkage Rate 胶板收缩率	0.06	0.05-0.10	140C, 15MINS	%	ZKGS REPORT NO.:ZX260508-C150202
	Water Absorption (24h) 吸水率(24h)	0.33	0.20-0.50	ASTM D570-22	%	CTI REPORT NO.: A2260307128101
	Fexural Modulus 弯曲模量	1360	1300-1500	ASTM D790-25	MPa	CTI REPORT NO.: A2260307128101
	Flexural Stress 弯曲应力	33.3	30-40	ASTM D790-25	MPa	CTI REPORT NO.: A2260307128101
	Tensile Strength at Yield 拉伸屈服强度	29	25-35	ASTM D638-22	MPa	CTI REPORT NO.: A2260307128101
	Tensile Strength at Break 拉伸断裂强度	29	25-35	ASTM D638-22	MPa	CTI REPORT NO.: A2260307128101
	Elongation at Break 断裂伸长率	20	20-40	ASTM D638-22	%	CTI REPORT NO.: A2260307128101
	Izod Notched Impact @23°C 悬臂梁缺口冲击(23°C)	83	70-100	ASTM D256-24	J/m	CTI REPORT NO.: A2260307128101
	Izod Notched Impact @-40°C 悬臂梁缺口冲击(-40°C)	1395	1000-1500	ASTM D256	J/m	ZKGS REPORT NO.:ZX260508-C150202
	75C Alcohol Resistantce 75度酒精耐受测试	no reaction		ASTM D5402		IN-HOUSE LAB
Thermo Properties 热学性能	HDT @ 0.455MPa 热变形温度(0.455MPa)	93	70-100	ASTM D648-18	°C	CTI REPORT NO.: A2260307128101
	HDT @ 1.82MPa 热变形温度(1.82MPa)	72	70-100	ASTM D648-18	°C	CTI REPORT NO.: A2260307128101
	Vicat Softening Temperature 维卡软化温度	78	70-100	ASTM D1525-25	°C	CTI REPORT NO.: A2260307128101
Skin Reaction	Resistance to Perspiration 汗液反应测试	8HOURS:NO FOUND 24HOUSE: NO FOUND	8HOURS:NO FOUND 24HOUSE: NO FOUND	ISO 12870		INTERTEK REPORT :SHAH01947737
UV Condensation	UV-CONDENSATION EXPOSURES TEST UV老化测试	4-5	4-5	ASTM G154: 2023 cycle 1	°C	INTERTEK REPORT :SHAH01947737 GRADE 4-5 MEANS: GOOD QUALITY WITH NO CHANGE OR SLIGHT CHANGE