

Transparent Resin

SLA MATERIAL

Material Properties	Value	Unit	Test Standard
Flexural Strength	68 - 76	Mpa	ASTM D790
Flexural Modulus	2750 - 3050	Mpa	ASTM D790
Tensile Strength	50 - 60	Mpa	ASTM D638
Tensile elongation at break	5,5 - 9,5	%	ASTM D638
Elasticity Modulus	1950 - 2450	Mpa	ASTM D638
Water absorption	0,0 - 0,1	%	ASTM D570 24h
Heat deflection temperature	49 - 54	°C	ASTM D648 0,45 Mpa
Coefficient of thermal expansion (40-140° C)	108 - 118	ppm/k	ASTM E 831-2019
Impact strength	45 -60	J/m	ASTM D256
Material hardness	80 - 85	Shore	Shore D
Density solid	1,16	g/cm3	
Color	bluish transparent		

Characteristics

High transparency and clarity, simulates PMMA color nuance
Recommended for transparent lighting, optic and package application
High durability and toughness
Very suitable for snap-locks and latches
Water and humidity resistance with hydrophobic characteristics