HeyGears

ULTRAPRINT

ST7565T High-Toughness Transparent Production Resin

UltraPrint ST7565T is a production resin featuring high toughness, transparency, and excellent impact resistance. It withstands bending without cracking and offers excellent creep resistance for long-term load-bearing applications. Printed parts can achieve a high-transparency appearance after coating, making it ideal for transparent consumer electronics housings, clear prototypes, and functional industrial parts.



- High Impact Resistance & Fracture Toughness
- High Transparency & Yellowing Resistance
- Balanced Stiffness and Toughness
- Excellent Creep Resistance

Color

Transparent

Specification

1000 g/Bottle

*Models created by HeyGears.

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Basic Performance[1]

	Property	Standard	Result	Unit
Toughness	Impact Strength(Notched)	ASTM D256	64	J/m
	Work of Fracture	ISO 20795	9337	J/m^2
Stiffness	Flexural Modulus	ASTM D790	1901	MPa
Strength	Tensile Strength	ASTM D638	44	MPa
	Flexural Strength	ASTM D790	73	MPa
Thermal Resistance	Heat Deflection Temperature @0.455 MPa	ASTM D648	61 (141.8)	℃ (℉)
Others	Hardness	ASTM D256	81D	Shore D
	Viscosity	ASTM D792	5700	mPa·s

Exceptional Results



High-Toughness & Fatigue Resistance



High Transparency & Yellowing Resistance

Sample Request

[1] Data from HeyGears Lab. The material results are the average values from testing, with a deviation of +10%.