

Taurus

Durable, High Temperature

Ideal for the most demanding functional prototyping and even end-use applications

Simulating charcoal ABS, Taurus can offer thermoplastic-like performance and feel, with ultimate strength and durability.



Benefits

- Excellent quality and isotropy for highly detailed parts
- Heat tolerance of up to 90°
- Superior strength and durability

Applications

- High-impact casings
- High-impact plastic requirements
- Functional prototypes
- Load-bearing components
- Housings



Physical Properties

Colour	Charcoal
Type	ABS like resin

Mechanical Properties

	UV Postcure	Thermal Postcure	TEST/ISO
Hardness Shore D	83	83	ASTM D2240-15
Flexural Strength (MPa)	73.8	62.7	ASTM D790-15e2
Flexural Modulus (MPa)	2.054	1.724	
Tensile Strength (MPa)	46.9	49	ASTM D638-14
Tensile Modulus (MPa)	2.310	2.206	ASTM D638-14
Elongation Break (%)	24	17	
Impact Strength (J/m)	47.5	35.8	ASTM D256-10e1
Density (g/cm ³)	1.13	1.13	

Thermal & Specific Properties

	UV Postcure	Thermal Postcure	TEST/ISO
Glass Transition Temperature T _g (°C)	53	54	ASTM D3418-15
Heat Deflection Temperature (°C)			
@ 0.46 MPa	62	91	ASTM D648-16
@ 1.81 MPa	50	73	
Co-efficient of Thermal Expansion (μ/m°C)			
TMA (T<T _g , -40 - 0°C)	76.5	71.4	ASTM E831-14
TMA (T<T _g , 0 - 50°C)	105.3	103.4	
TMA (T<T _g , 50 - 100°C)	151.9	157.5	
TMA (T<T _g , 100 - 150°C)	171.4	173.4	

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