

Task® 15

Polyurethane
Smooth-On, Inc

Message:

TASK® 15 is a premium performance urethane resin that exhibits exceptional impact strength when cast in thin-wall sections. TASK® 15 features a gradual cure profile, making it ideal for rotational casting applications. Pot life is 6 minutes and handling time 60 minutes at room temperature. Vibrant colors are possible by adding small amounts of SO-Strong® tint or IGNITE® fluorescent colors. Plastic fully cures with negligible shrinkage and can be machined, sanded and/or painted.

General Information			
Features	Good Colorability		
	High Impact Resistance		
	Low Shrinkage		
	Machinable		
	Paintable		
Appearance	Opaque		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D1475
Specific Volume	0.892	cm ³ /g	ASTM D1475
Mixing Ratio	75A:100B by weight		
Molding Shrinkage - Flow	0.42	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	869	MPa	ASTM D638
Tensile Strength (Break)	18.8	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Flexural Strength	38.7	MPa	ASTM D790
Compressive Modulus	414	MPa	ASTM D695
Compressive Strength	37.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	47.2	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	6.0	min	ASTM D2471
Thermoset Mix Viscosity	600	cP	ASTM D2393
Demold Time ¹ (23°C)	60	min	
NOTE			

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Recommended distributors for this material

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