

Task® 12

Polyurethane
Smooth-On, Inc

Message:

TASK® 12 (formerly Formula 73-187) is part of the TASK® series of high performance casting resins. It is a semi-rigid urethane resin that offers extraordinary handling strength and impact resistance. Castings are tough, durable and UVresistant. TASK® 12 can be color pigmented or filled and is used for a variety of industrial applications including making prototype models, high impact parts and tools, furniture, etc.

General Information			
Features	Durable		
	Good Impact Resistance		
	Good Strength		
	Good Toughness		
	Good UV Resistance		
	Semi Rigid		
Uses	Furniture		
	Industrial Applications		
	Modeling Material		
	Prototyping		
	Tooling		
Appearance	Clear Amber		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm³	ASTM D1475
Specific Volume	0.925	cm³/g	ASTM D1475
Mixing Ratio	100A:44B by weight		
Molding Shrinkage - Flow	0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.6	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	20	min	ASTM D2471
Thermoset Mix Viscosity	2400	cP	ASTM D2393
Demold Time ¹ (23°C)	960	min	
NOTE			
1.	Cure Time		

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Recommended distributors for this material

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