

Task® 13

Polyurethane
Smooth-On, Inc

Message:

TASK® 13 and TASK® 14 are fast setting two-component urethanes that cure quickly to black semi-rigid plastics.TASK® 13 has a pot life of 3 minutes and demold time of 20 minutes. TASK® 14 offers a longer pot life (10 minutes) and demold time of 45 minutes. With a Shore value of 50D, these semi-rigid plastics are used for a variety of industrial applications including fast mold making, fast model duplication, prototyping, durable miniatures, black props and special effects, or making parts that are impact resistant. Fully cured castings are tough, durable and chemical resistant.

General Information			
Features	Durable		
	Fast Cure		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Toughness		
	Semi Rigid		
Uses	Decorative Parts		
	Industrial Applications		
	Modeling Material		
	Prototyping		
Appearance	Black		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm³	ASTM D1475
Specific Volume	0.871	cm³/g	ASTM D1475
Mixing Ratio	100A:120B by weight		
Molding Shrinkage - Flow	0.50	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	95		
Shore D	50		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	12.4	MPa	ASTM D638
Tensile Elongation (Break)	130	%	ASTM D638
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	3.0	min	ASTM D2471
Thermoset Mix Viscosity	800	cP	ASTM D2393
Demold Time ¹ (23°C)	20	min	

NOTE

1. Cure Time

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Recommended distributors for this material

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