

# Task® 21

Polyurethane  
Smooth-On, Inc

## Message:

Task® 21 is a Polyurethane product. It can be processed by casting and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Prototyping Applications.

General Information			
Uses	Modeling Material		
Appearance	White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D1475
Specific Volume	0.936	cm³/g	ASTM D792
Mixing Ratio	2A:1B by volume		
Molding Shrinkage - Flow	0.58	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1860	MPa	ASTM D638
Tensile Strength (Break)	37.9	MPa	ASTM D638
Tensile Elongation (Break)	7.5	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	49.0	MPa	ASTM D790
Compressive Modulus	541	MPa	ASTM D695
Compressive Strength	49.0	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	62.2	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Pot Life	6.0	min	ASTM D2471
Thermoset Mix Viscosity	500	cP	ASTM D2393
Demold Time (23°C)	60	min	

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Recommended distributors for this material

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