

Task® 11

Polyurethane
Smooth-On, Inc

Message:

TASK® 11 urethane casting resin is a semi-rigid plastic (has some flexibility) that is strong and very tough. Originally developed for high impact tooling (drop hammer punch), TASK® 11 also offers good abrasion and chemical resistance and is ideal for a variety of industrial applications. This product is suitable for some FDA/USDA applications - dry food contact only. TASK® 11 applications include making abrasion resistant parts, foundry patterns, encapsulation, roller facings, metal bonding and vibration pads. (Formerly C-1509)

General Information			
Features	Bondability		
	Food Contact Acceptable		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Strength		
	Good Toughness		
	Semi Rigid		
Uses	Industrial Applications		
Agency Ratings	FDA Food Contact, Unspecified Rating		
	USDA Food Contact, Unspecified Rating		
Appearance	Translucent		
Processing Method	Casting		
	Encapsulating		
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	100A:100B by weight		
Molding Shrinkage - Flow	0.24	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	17.2	MPa	ASTM D638
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	20	min	ASTM D2471
Thermoset Mix Viscosity	2000	cP	ASTM D2393
Demold Time ¹ (23°C)	960	min	
NOTE			

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Recommended distributors for this material

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