

EZ-Spray® Plastic

Polyurethane
Smooth-On, Inc

Message:

EZ~Spray Plastic® is an improved version of our original sprayable polyurethane plastic compound. With higher impact resistance, this new spray plastic was specifically formulated to be mixed and sprayed via Smooth-On's EZ~Spray® Jr. Spray System. EZ~Spray Plastic® is versatile and can be sprayed over a rubber mold to create "mother molds" or support shells. It can also be sprayed or meter mixed into rubber molds as a fast setting casting resin. Cured plastic is lightweight, tough and durable. EZ~Spray Plastic® has a fast gel time for vertical surface application. Material cures in about 3 hours (depending on mass). Refer to the EZ~Spray® Machine Jr. Video Manual before spraying plastic.

General Information			
Features	Durable		
	Good Toughness		
	High Impact Resistance		
Uses	Coating Applications		
	Modeling Material		
Appearance	Off-White		
Processing Method	Spraying		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm³	ASTM D1475
Specific Volume	0.903	cm³/g	ASTM D1475
Viscosity	Variable		ASTM D2393
Mixing Ratio	1A:1B by volume		
Molding Shrinkage - Flow	1.6	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	689	MPa	ASTM D638
Tensile Strength (Break)	18.3	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Flexural Strength	34.5	MPa	ASTM D790
Compressive Modulus	310	MPa	ASTM D695
Compressive Strength	34.5	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	54.4	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	0.033	min	ASTM D2471
Demold Time (23°C)	180	min	

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Recommended distributors for this material

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