

EZ-Brush® Vacuum Bagging Silicone

Silicone

Smooth-On, Inc

Message:

EZ-Brush® Vac Bag Silicone is a brushable platinum cure silicone developed especially for making high performance, re-usable vacuum bags. EZ-Brush® Vac Bag Silicone is easy to mix and apply. Mix ratio is 1A:1B by volume and rubber can be applied with a brush or spatula to vertical surfaces without sagging.

Pot life is 30 minutes, recoat time is 1 hour. Rubber cures with negligible shrinkage to a soft, flexible rubber (Shore 20A) with very high elongation and tear strength. Newly made bags can be removed from the tool in 3.5 hours and used immediately in production with polyester or epoxy resin systems and will withstand temperatures up to 500° F /260° C.

Compared to conventional vacuum bagging systems, EZ-Brush® Vac Bag Silicone is much faster at delivering a production-ready silicone bag resulting in a tremendous time and labor savings. Since bags are re-usable, long term material costs are greatly reduced.

General Information			
Features	Good Flexibility		
	Good Tear Strength		
	High Elongation		
	Low Shrinkage		
	Soft		
Uses	Bags		
Appearance	Green		
Processing Method	Vacuum Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D1475
Specific Volume	0.928	cm ³ /g	ASTM D1475
Mixing Ratio	1A:1B by volume		
Molding Shrinkage - Flow	< 0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	20		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.317	MPa	ASTM D412
Tensile Strength (Break)	3.79	MPa	ASTM D412
Tensile Elongation (Break)	360	%	ASTM D412
Tear Strength ¹	21.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	30	min	ASTM D2471
Thermoset Mix Viscosity	20000	cP	ASTM D2393
Demold Time (23°C)	210	min	
NOTE			
1.	Die B		

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