

## Lord Adhesives Aeroglaze® Z306 Absorptive Polyurethane

Category : Polymer , Thermoset , Polyurethane, TS

### Material Notes:

Aeroglaze® Z306 absorptive polyurethane coating is primarily for applications to substrates used in space operations. These operations include those where coatings must exhibit low outgassing characteristics while providing high thermal absorptivity properties. In addition, the mechanical properties required for rigorous durations in space are an integral part of the Aeroglaze Z306 absorptive polyurethane make-up. Aeroglaze Z306 absorptive polyurethane shows excellent performance on rigid or flexible substrates. All information provided by Lord.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lord-Adhesives-Aeroglaze-Z306-Absorptive-Polyurethane.php](http://www.lookpolymers.com/polymer_Lord-Adhesives-Aeroglaze-Z306-Absorptive-Polyurethane.php)

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in <sup>3</sup>	ASTM D1475-85
Solids Content	23 %	23 %	by volume
	27 %	27 %	by weight
Volatile Organic Compounds (VOC) Content	692 g/l	692 g/l	ASTM D3960-89
Brookfield Viscosity	60 cP	60 cP	ASTM D2196-86; LVT
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
Outgassing - Total Mass Loss	1.0 %	1.0 %	ASTM E595-77

Thermal Properties	Metric	English	Comments
Flash Point	19.0 Å°C	66.2 Å°F	Setaflash, Closed Cup; ASTM D3278-82

Optical Properties	Metric	English	Comments
Gloss	<= 10 %	<= 10 %	85Å°
Emissivity (0-1)	0.90	0.90	ASTM E408-71

Processing Properties	Metric	English	Comments
Cure Time	120 - 180 min	2.00 - 3.00 hour	Tack Free; 50% relative humidity
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
	720 min	12.0 hour	Permit Handling
	@Temperature 25.0	@Temperature 77.0 Å°F	

Processing Properties	°C Metric	English	Comments
	2160 - 2880 min	36.0 - 48.0 hour	Permit Normal Usage
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	Flat Black	
Solar Absorption	>0.95	Gier-Dunkle Integrating Sphere
Theoretical Coverage (ft <sup>2</sup> /gallon/mil)	368	

## Contact Songhan Plastic Technology Co.,Ltd.

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