

Addisil™ 6300

Silicone

Momentive Performance Materials Inc.

Message:

Addisil 6300 silicone coating is a one-component heat curable silicone coating, which will bond to many substrates without a primer and which will cure rapidly at elevated temperatures. This product has a very long working time at room temperature and will not cure completely until exposed to elevated temperatures.

Addisil 6300 is a white, flowable material, which can be applied on a textile by knife over roll.

Compliance with FDA regulations

Key Features and Benefits

One component product - no mixing required

Room temperature storage

Fast cure at elevated temperature (in a range of 140 °C to 230 °C)

Primerless adhesion to many types of substrates

No formation of cure by-products

Non-corrosive to metals

Good performance over a wide temperature range

General Information		
Features	Bondability	
	Fast Cure	
	Good Adhesion	
	Good Flow	
	Heat Cure	
	Non-Corrosive	
Uses	Coating Applications	
Agency Ratings	FDA Unspecified Rating	
Appearance	White	
Thermoset	Nominal Value	Unit
Shelf Life (< 27°C)	> 17	wk
Uncured Properties	Nominal Value	Unit
Density	1.04	g/cm ³
Viscosity (20°C)	30	Pa · s
Curing Time		
200°C	8.3E-3	hr
175°C	< 0.033	hr
150°C	< 0.083	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	30	
Tensile Modulus (100% Secant)	0.600	MPa
Tensile Strength	6.00	MPa
Tensile Elongation at Break	300	%

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