Addisil™ 6101

Silicone

Momentive Performance Materials Inc.

Message:

Addisil 6101, Momentive Performance Material's Silicone adhesive, is a one-component heat curable silicone adhesive sealant 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 6101 silicone adhesive is a black, thixotropic paste, which can be applied to vertical or overhead surfaces.

Key Features and Benefits

One component product - no mixing required

Room temperature storage

Very fast cure at elevated temperature (in a range of 110°C to 230°C)

Primerless adhesion to many types of substrates (e.g. aluminum, copper, stainless steel, glass, enamel, ceramic)

No formation of cure by-products; low linear shrinkage

Non-corrosive to metals and sensitive substrates

Outstanding performance over a wide temperature range

Service temperature -50°C to 250°C

Features Bondability Fast Cure Good Adhesion Heat Cure Non-Corrosive Thixotropic Sealants Sea	General Information		
Good Adhesion Heat Cure Non-Corrosive Thixotropic Uses Adhesives Sealants Appearance Black Forms Paste Thermoset Nominal Value Unit Uncured Properties Nominal Value Unit Unit Unit Unit Unit Unit Unit Unit	Features	Bondability	
Heat Cure Non-Corrosive Thixotropic Uses		Fast Cure	
Non-Corrosive Thixotropic		Good Adhesion	
Dises		Heat Cure	
Adhesives Sealants Appearance Black Forms Paste Thermoset Nominal Value Unit Shelf Life (< 27°C)		Non-Corrosive	
Sealants Appearance Black Forms Paste Thermoset Nominal Value Unit Shelf Life (< 27°C) > 17 wk Uncured Properties Nominal Value Unit Density 1.11 g/cm³ Curing Time SaSE-3 hr 175°C < 0.033 hr 150°C < 0.083 hr 125°C < 0.17 hr Cured Properties Nominal Value Unit Shore Hardness (Shore A) 43 Tensile Strength 9.20 MPa		Thixotropic	
Sealants Appearance Black Forms Paste Thermoset Nominal Value Unit Shelf Life (< 27°C) > 17 wk Uncured Properties Nominal Value Unit Density 1.11 g/cm³ Curing Time SaSE-3 hr 175°C < 0.033 hr 150°C < 0.083 hr 125°C < 0.17 hr Cured Properties Nominal Value Unit Shore Hardness (Shore A) 43 Tensile Strength 9.20 MPa			
Appearance Black Forms Paste Thermoset Nominal Value Unit Shelf Life (< 27°C) > 17 wk Uncured Properties Nominal Value Unit Density 1.11 g/cm³ Curing Time SaE-3 hr 175°C < 0.033 hr 150°C < 0.083 hr 125°C < 0.17 hr Cured Properties Nominal Value Unit Shore Hardness (Shore A) 43 Tensile Strength 9.20 MPa	Uses	Adhesives	
Forms Paste Thermoset Nominal Value Unit Shelf Life (< 27°C)		Sealants	
Forms Paste Thermoset Nominal Value Unit Shelf Life (< 27°C)			
Thermoset Nominal Value Unit Shelf Life (< 27°C)	Appearance	Black	
Shelf Life (< 27°C) > 17 wk Uncured Properties Nominal Value Unit Density 1.11 g/cm³ Curing Time 500°C 8.3E-3 hr 175°C < 0.033	Forms	Paste	
Uncured Properties Nominal Value Unit Density 1.11 g/cm³ Curing Time 200°C 8.3E-3 hr 175°C < 0.033	Thermoset	Nominal Value	Unit
Density 1.11 g/cm³ Curing Time 200°C 8.3E-3 hr 175°C < 0.033	Shelf Life (< 27°C)	> 17	wk
Curing Time 200°C 8.3E-3 hr 175°C < 0.033	Uncured Properties	Nominal Value	Unit
200°C 8.3E-3 hr 175°C < 0.033	Density	1.11	g/cm³
175°C < 0.033	Curing Time		
150°C < 0.083 hr 125°C < 0.17 hr Cured Properties Nominal Value Unit Shore Hardness (Shore A) 43 Tensile Strength 9.20 MPa	200°C	8.3E-3	hr
125°C< 0.17hrCured PropertiesNominal ValueUnitShore Hardness (Shore A)43Tensile Strength9.20MPa	175°C	< 0.033	hr
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Shore Hardness (Shore A) 43 Tensile Strength 9.20 MPa	125°C	< 0.17	hr
Tensile Strength 9.20 MPa	Cured Properties	Nominal Value	Unit
	Shore Hardness (Shore A)	43	
Tensile Elongation at Break 580 %	Tensile Strength	9.20	МРа
	Tensile Elongation at Break	580	%

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