

ConduForm Technical Specifications

Physical Properties:

Property	Typical Value	Unit	Test Method
Density (Uncured)	1075	kg/m ³	SAE Inc. Standard 104
	1.075	g/cm ³	
	67.11	lbs/ft ³	
Volume	0.019	m ³	SAE Inc. Standard 104
	0.660	ft ³	
Water Absorption	22	%	SAE Inc. Standard 101
Water Permeability	6.5 x 10 ⁻⁶	cm/sec	ASTM 5084 (2.6 psi)
Electrical Corrosion Resistance Copper	95 - 100	%	SAE Inc. Standard 100
Compatibility Copper	Yes		SAE Inc. Standard 100
Freeze-Thaw Withstand	> 25 (testing ongoing)	years	SAE Inc. Standard 102

Electrical Properties:

Property	Typical Value	Unit	Test Method
Resistance	0.5	Ω	SAE Inc. Standard 105
Resistivity	20	Ω·cm	SAE Inc. Standard 105
Conductivity	0.05	S/cm	SAE Inc. Standard 105

Material Properties:

Property	Typical Value	Unit	Test Method
Physical State (Uncured)	Dark Blue Slurry (ConduForm) Grey Powder (Curing Agent)		
Physical State (Cured)	Black Solid		
Odor	None		
Working Time	10 - 30	minutes	
Setting Time	3	hours	
Cure Time (90% cure)	4	weeks	
Cure Time (100% cure)	9 - 10	weeks	

Updated: June 26, 2018