

3M Scotchrap™ 51 Tape

Category : Polymer , Tape , Thermoplastic , Vinyl (PVC)

Material Notes:

3M™ Scotchrap™ Tapes 50 and 51 are tough, polyvinyl chloride based tapes with special high tack adhesives formulated to resist corrosion of metal piping systems above and below ground, fittings and joints on all mill-coated pipe and electrical conduit systems. These tapes are: Resistant to salt water, soil acids, alkalies and salts, common chemicals, chemical vapors, and exposure to outdoor weathering and sunlight. Resistant to impact, abrasions, punctures, and tears. Tape 51 provides similar qualities in a thicker, 20 mil (0.508 mm) tape, Both tapes electrical insulating properties. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchrap-51-Tape.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	15.5 g/m ² /day	0.998 g/100 in ² /day	ASTM D3833
Thickness	508 microns	20.0 mil	ASTM D1000

Mechanical Properties	Metric	English	Comments
Elongation at Break	100 %	100 %	ASTM D1000
	@Temperature -12.0 °C	@Temperature 10.4 °F	
	150 %	150 %	ASTM D1000
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Peel Strength	0.219 kN/m	1.25 pli	Adhesion to Steel; ASTM D1000
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.219 kN/m	1.25 pli	Adhesion to Backing; ASTM D1000
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.3287 kN/m	1.875 pli	Adhesion to Steel; ASTM D1000
	@Temperature -12.0 °C	@Temperature 10.4 °F	
	0.3287 kN/m	1.875 pli	Adhesion to Backing; ASTM D1000
	@Temperature -12.0 °C	@Temperature 10.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	65.6 °C	150 °F	Application
	80.0 °C	176 °F	
Minimum Service Temperature, Air	-48.0 °C	-54.4 °F	

Thermal Properties	-12.0 °C Metric	10.4 °F English	Application Comments
--------------------	--------------------	--------------------	-------------------------

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Dielectric Breakdown	>= 20000 V	>= 20000 V	ASTM D1000
----------------------	------------	------------	------------

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Moisture Content	0.35 %	0.35 %	ASTM D570
------------------	--------	--------	-----------

Descriptive Properties	Value	Comments
------------------------	-------	----------

Appearance	Black	Backing
------------	-------	---------

	Black	Adhesive
--	-------	----------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China