

3M Scotchkote™ 2400 Pipe Renewal Liner

Category : Other Engineering Material

Material Notes:

NSF/ANSI-61 certified polyurea formulation is 100% solids and contains no epoxy resin. It is designed to help solve a wide variety of problems common to potable water systems. It utilizes a trenchless spin coast application method. Lined sections can be turned to service 90 minutes after lining. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchkote-2400-Pipe-Renewal-Liner.php

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Water Absorption	1.31 %	1.31 %	21 days; ASTM D5798

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	ASTM D2240-5
Tensile Strength at Break	39.0 MPa	5660 psi	ASTM D638-08
Elongation at Break	5.0 %	5.0 %	ASTM D6308
Flexural Strength	58.0 MPa	8410 psi	ASTM D790-07
Flexural Modulus	3.62 GPa	525 ksi	ASTM D790-07
Impact Test	17.0 J	12.5 ft-lb	ASTM D2794-93
Abrasion	193	193	[mg]loss per 1000 cycles; ASTM D4060-07

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	96.0 °C	205 °F	ASTM D7028-07

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	CCTV Inspection
	60.0 min	1.00 hour	Total
Gel Time	1.00 min	1.00 min	
Shelf Life	12.0 Month	12.0 Month	

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