3M Scotch-Weld™ Hi-Strength Postforming 4693 High Performance Industrial Plastic Adhesives

Category : Polymer , Adhesive

Material Notes:

Features:Low viscosity grade for spray or brush applicationClear elastomeric adhesives with high immediate bond strength, long tack range and contact bond propertiesExhibits outstanding bond strength to many metals and many plastics such as ABS, glass filled polyester, polypropylene, linear polyethylene and hi-impact styreneDries to a tough, flexible and transparent film with good resistance to water and aging.Information provided by 3M

Order this product through the following link:
http://www.lookpolymers.com/polymer_3M-Scotch-Weld-Hi-Strength-Postforming-4693-High-Performance-Industrial-Plastic-Adhesives.php

Physical Properties	Metric	English	Comments
Solids Content	24 - 28 %	24 - 28 %	
Brookfield Viscosity	175 - 275 cP	175 - 275 cP	RVF #2 sp @ 20 rpm @ 27°C

Mechanical Properties	Metric	English	Comments
Peel Strength	1.93 kN/m	11.0 pli	Polyethylene, linear, 180° after aging 1-2 days @ RT and 1 day
	3.16 kN/m	18.0 pli	Acrylic, 180° after aging 1-2 days @ RT and 1 day
	3.33 kN/m	19.0 pli	Nylon 6, 180° after aging 1-2 days @ RT and 1 day
	3.33 kN/m	19.0 pli	Polypropylene, 180° after aging 1-2 days @ RT and 1 day
	3.51 kN/m	20.0 pli	ABS, 180° after aging 1-2 days @ RT and 1 day
	3.51 kN/m	20.0 pli	Phenolic Board, 180° after aging 1-2 days @ RT and 1 day
	3.51 kN/m	20.0 pli	PVC, Hi-Impact, 180° after aging 1-2 days @ RT and 1 day
	3.68 kN/m	21.0 pli	Polyester, filled, 180° after aging 1-2 days @ RT and 1 day
	3.68 kN/m	21.0 pli	Styrene, Hi-Impact, 180° after aging 1-2 days @ RT and 1 day
	3.86 kN/m	22.0 pli	Steel, 180° after aging 1-2 days @ RT and 1 day
	4.03 kN/m	23.0 pli	Aluminum, 180° after aging 1-2 days @ RT and 1 day

Thermal Properties	Metric	English	Comments
Flash Point	-17.0 °C	1.40 °F	CC

Descriptive Properties	Value	Comments
Appearance	Clear	
Base	Synthetic Elastomer	

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