

Polyolefin Bonding Structural Acrylic

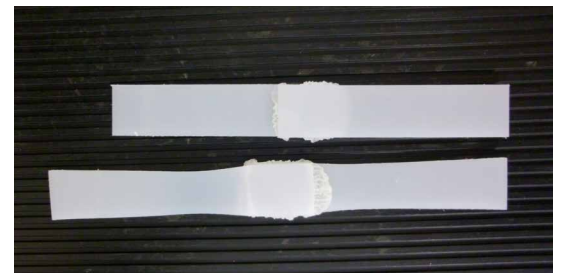
Permabond TA4605 and TA4610 have been developed to bond untreated polyolefin surfaces. These adhesives are ideal for bonding polypropylene and polyethylene - without the need to carry out costly surface pre-treatment before bonding. They can be used to bond polyolefins to a wide variety of other substrate materials.

Permabond® TA4605 & TA4610 Features & Benefits

- No need to flame, corona, or plasma treat surfaces before bonding = cost & process saving
- Easy 1:1 mix ratio - can be manually applied or used with automatic dispensing equipment
- Non-hazardous for transport = easier shipping and storage
- Ideal for bonding a wide range of surfaces
- Some strength on PTFE
- Slower curing TA4620 grade available on request.



Polypropylene lapshears bonded with TA4610 - the adhesive bond is so strong the plastic stretches, deforms, and fails before the bonded joint.



Distributor Stamp



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Product Data

Grade	TA4605 Fast set	TA4610 Longer nozzle life
Appearance	A: Off-white B: Almost colorless Mixed: Off-white	A: Off-white B: Almost colorless Mixed: Off-white
Viscosity @ 25°C	Mixed: 125,000 cPs	Mixed: 210,000 cPs
Mix Ratio	1:1	1:1
Fixture Time	5-10 minutes	12-15 minutes
Handling Time	20-25 minutes	40-50 minutes
Working Strength	2-4 hours	6-8 hours
Shear Strength	Polypropylene: 5-8 N/mm ² (725-1,200 psi)* Polyethylene: 3-6 N/mm ² (435-870 psi)*	Polypropylene: 5-8 N/mm ² (725-1,200 psi)* Polyethylene: 3-6 N/mm ² (435-870 psi)*
Service Temperature	-55 to +100°C (-67 to +212°F)	
Packaging	10 x 50ml cartridges	10 x 50ml cartridges
	6 x 400ml cartridges	6 x 400ml cartridges
	Bulk on request	Bulk on request
Storage	2 to 7°C (35 to 45°F)	

* Substrate Failure

For full technical information, please refer to product data sheet

