

## 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

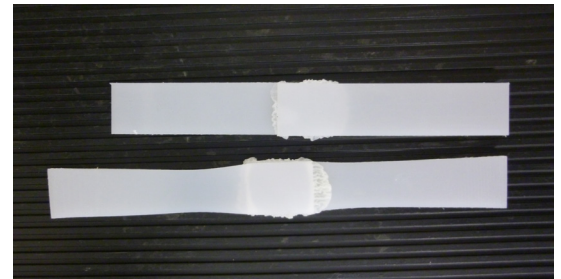
- No need to flame, corona or plasma treat surfaces before bonding = cost & process saving
- Easy 1:1 mix ratio - can be manually applied or used with automatic dispensing equipment
- Non-hazardous for transport = easier shipping and storage
- Ideal for bonding a wide range of surfaces
- Some strength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



### Product Data

Grade	TA4605	TA4610
Appearance	A: Off-white B: Almost colourless Mixed: Off-white	A: Off-white B: Almost colourless Mixed: Off-white
Viscosity @ 25°C	Mixed: 125,000 mPa.s	Mixed: 210,000 mPa.s
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 <sup>2</sup> SF* Polyethylene: 3-6 N/mm <sup>2</sup> SF*	Polypropylene: 5-8 N/mm <sup>2</sup> SF* Polyethylene: 3-6 N/mm <sup>2</sup> SF*
Service Temperature	-55 to +100°C	
Packaging	10 x 50ml cartridges	10 x 50ml cartridges
	6 x 400ml cartridges	6 x 400ml cartridges
	Bulk on request	Bulk on request
Storage	2-7°C	

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



Distributor Stamp

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SF\* = Substrate Failure  
For full technical information, please refer to product data sheet

