



TAP Poly-Weld Adhesive™

Description: TAP Poly-Weld Adhesive is a flexible, toughened, non-corrosive, structural adhesive specially designed for various applications and substrates, including bonding of Polyethylene, Polypropylene, ABS, PVC, ceramics and cement. It has been formulated for superior exterior performance or resistance, gap filling, impact and fatigue resistance. It's toughness, imparted by flexibility, causes the energy required to break a bond to be significantly higher than brittle epoxies. Lap Shear Psi, plus high break-energy Psi afford bonds strength/resiliency. Bond results to Polyethylene and Polypropylene after executing flame-treating instructions.

Typical Properties:

Mixed Color	White
Thixotrophy	Non-sagging gel
Elongation (%)	100+
% Solids (by Volume)	100
Viscosity (@ R.T., cps)	(Resin 245,000) (Hardener 178,000) cps
Service Temperature	-40°F – 200°F
Density (gr./cc)	
Resin.....	1.25
Hardener.....	0.99
Mixing Ratio	
(PBW).....	1.27:1
(PBV).....	1:1
Working Time (7 gr. Min)	15-30
Cure Cycle (at 23°C)	
Handling Time	1-2 hours
Functional Cure	24 hours
Full Cure	7 days
Tensile Strength (Psi)	1,150+
Lap Shear (Psi)	
ABS.....	800+
Aluminum	1,000+
Ceramic (compressive shear)	1,500+
Cold Rolled Steel.....	1,500+
Concrete (compressive shear).....	2,000+
Copper	1,000+
Fiberglass gel coat	1,000+
Low Density Polyethylene (PE)	500+
High Density Polyethylene (HDPE)	2,000+
Polypropylene.....	1,500+
PVC	1,400+
Flexural Modulus (Psi)	8,000+

Visit our website: tapplastics.com

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