



Urethane Repair Compounds

Technical Information



Physical Properties	Flexane® 80 Putty	Flexane® High Performance Putty	Flexane® Fast Cure	Flexane® Fast Cure Liquid	Flexane® Brushable	Cable Cast FR	Flexane® Belt Repair Kit
Color	Black	Black	Black	Grey	Black	Black	Black
Mix ratio by weight <small>(resin:hardener)</small>	72:28	94:6	80:20	8,0:20	80:20	63:37	72:28
Mixed viscosity <small>cps</small>	Putty	Putty	Putty	5800	40,000	10,000	Putty
Pot life <small>minutes @ 75°F</small>	20	10	8	8	45	10	25
Specific volume <small>inches³/pound</small>	23.5	23.5	23.5	26.5	26.0	22.6	23.5
Coverage per pound <small>inches²@ 1/4" thickness</small>	94	94	94	106	104	90	94
Functional cure <small>hours</small>	12	16	3	2	24	2	12
Demolding time <small>hours</small>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cured hardness <small>(ASTM D2240) Shore A</small>	87	78	88	94	86	83	87
Cured shrinkage <small>(ASTM D2566) inch/inch</small>	0.0014	0.12 ⁵	0.0014	0.0018	0.23 ⁵	0.0014	0.0014
Tensile strength <small>(ASTM D412) psi</small>	1,700	4,500	2,400	3,300	3,500	2,600	1,700
Tear resistance <small>(ASTM D624) pli</small>	300	400	275	430	400	325	280
Abrasion resistance <small>(weight loss⁴)</small>	280	140	220	330	90	NA	300
Maximum elongation <small>(ASTM D412) %</small>	300	600	500	450	600	800	300
Dielectric strength <small>(ASTM D149) volts/mil</small>	350	350	350	350	340	300	350
Maximum continuous service temperature <small>°F wet</small>	120	120	120	120	120	120	120
Maximum continuous service temperature <small>°F dry</small>	180	180	180	180	180	180	180

Notes: ⁴ Taber H-18 wheel (mg/1000 revolutions @1000 gram load) ⁵ Due to solvent loss

Key: ● Excellent ○ Very Good ○ Fair ○ Poor

Chemical Resistance							
ACIDS							
Acetic 10%	○	○	○	○	○	●	○
Hydrochloric 10%	●	○	●	●	○	●	●
Sulfuric 10%	●	○	●	●	○	●	●
Sulfuric 50%	●	○	●	●	○	○	●
Phosphoric 10%	●	○	●	●	○	○	●
ALCOHOLS							
Methanol	○	○	○	○	○	○	○
Isopropanol	○	○	○	○	○	○	○
KETONES							
Acetone	○	○	○	○	○	○	○
Methyl ethyl ketone	○	○	○	○	○	○	○
ALKALIS							
Ammonium hydroxide 20%	●	●	●	●	●	●	●
Sodium hydroxide 10%	●	●	●	●	●	●	●
HYDROCARBONS							
Gasoline (unleaded)	○	○	○	○	○	○	○
Mineral spirits	○	○	○	○	○	○	○
SALTS							
Sodium chloride	●	●	●	●	●	●	●
Trisodium phosphate	●	●	●	●	●	●	●
Aluminum sulfate 10%	●	●	●	●	●	●	●
Sodium carbonate 10%	●	●	●	●	●	●	●