



PRODUCT DESCRIPTION

Poly-Fil HP is a two-component system consisting of a prepolymer (Side-A/ISO) and a polyol blend (Side-B/CAT) Poly-Fil HP is made for heavy-slow moving equipment where no deflection is wanted or needed. Stratocranes and high reach equipment are ideal applications for Poly-Fil HP where stability and safety are paramount.

TYPICAL USES

- Cranes
- Man Lift (Essential for Safety)
- Military
- Mining Applications
- Sea Ports
- Steel Mills

PACKAGING

Tote kit: One tote of Side-A (2335 lbs 1060 kgs net), one tote of Side-B (2254 lbs, 1020 kgs net)

COLOR

Brownish Yellow Liquid

MIXING

When Poly-Fil HP Side-A and Poly-Fil Side-B are mixed, there is an exothermic reaction, therefore curing begins in the center of the mass. In the event that the temperature cannot be maintained at a constant 72°F (22°C) during the curing cycle, the curing time must be extended approximately eight (8) hours for every ten-degree temperature drop.

PREPARATION & APPLICATION

Before beginning each processing session, inspect equipment and verify that all the specified parts of the processing equipment are complete and in good working.

Read Safety Data Sheets (SDS) on Poly-Fil products before proceeding to flatproofing operation.

Please refer to the Poly-Fil Guide Specification Sheet for all information regarding processing, filling and installation procedures.

All standard procedures regularly practiced in the tire shop should be applied to the Poly-Fil operation, including tire mounting, equipment and material handling and clean up. A qualified tire serviceman will mount the tires.

STORAGE

Poly-Fil HP has a shelf life of twelve (12) months from date of manufacture, in factory-sealed containers.

Side-A and Side-B drums are recommended to be stored from 60-105°F (15-40°C). Keep in an indoor dry place, out of sunlight, tightly.

Avoid freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Mix Ratio by Volume	1A:1B
Gel Time @ 80°F (26.6°C) (to achieve 10,000 cps)	60 ± 20 minutes
Cure Time (hours @ 90°F [32°C])	24-48 hours
Viscosity, cps @77° F (25° C)	
Side-A	700 ± 200
Side-B	900 ± 200
Specific Gravity @ 77°F (25°C)	
Side-A	1.057 ± 0.02
Side-B	1.02 ± 0.02
Hardness, Shore A	50 ± 2
Tensile Strength, ASTM D-412*	425 ± 25 psi (2.93 ± 0.2 MPa)
Elongation %, ASTM D-412*	275 ± 25
Tear Resilience (%), Die C	100 ± 20 pli (175 ± 3.5kN/m)
Total % Solids by Weight ASTM D-2369	100%
Total % Solids by Volume ASTM D-2397	100%
VOC	0 g/l

SAFETY

Use only in well ventilated areas. Avoid contact with skin. Wear chemical resistant gloves and proper safety equipment. If swallowed, call physician immediately. For eye contact, flush with water for 15 minutes and get medical attention. Refer to Safety Data Sheet (SDS) for details.

LIMITATIONS

Do not open until ready to use.

Both Side-A and Side-B containers must be fitted with a desiccant device during use.

WARNING

This product contains Isocyanates and Curative Material.





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