



SYNERGY ADDITIVES UNIT-II
(PU- System House)

TECHNICAL DATA SHEET

POLYNOL – PU310 / PUR (CFC&HCFC FREE) FORMULATED POLYETHER POLYOL

Specially developed for the production of Elastomeric Polyurethane for SAEL LEAKING CRAKS , VOIDS OR FRACTURE IN CONCRETE STRUCTURE .

POLYNOL -5U310/PUR is fully catalysed system, which can be used on high/ low pressure machine. The above system gives rapid cure, excellent flow property, elongation and water proofing property when used with Isocyanate – MDI

Typical Chemical Properties :-

Property	Unit	Standard
OH Value	mg KOH/gm.	300- 350
PH Value	-	9 - 11
Viscosity @ 25	Cps	500-650
SPGR @ 25	-	1.1 – 1.15

Ratio : POLYNOL – PU310 /PUR	-	100 by volume
POLYNATE-803 (MDI	-	100 by volume
Temperature of component	-	25 Deg.
Cream time	-	25-30 sec.
Gel time	-	70-75 Sec
Rise time	-	155-160
Polyol stability	-	4 months

Foam properties :-

Tensile strength (ASTM-D-638)	Kpa	202-205
Elongation (ASTM D-638)	%	44
Moulded density (ASTMD -1622-63	Kg/m3	32-35
Water Absorption (ASTM2127)	%	Less than 01
Expansion (Without water)	Percentage	Up to 25 times
Expansion (with water)	Percentage	Up to 30 times
Shear strength (ASTM C-273 0	Kpa	118-120

Warning :- This information in this data sheet is believe to be correct but all recommendations are made without warranty since the condition of use are beyond the company control. Polytek disclaim any liability in connection with the use of the information and does not warrant against infringement by reason of the use of any of its products in combination with other materials in any process.

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