

HIGH PRESSURE TPU HOSE

★Feature:

- *High working pressure with 98A+ shore hardness TPU.
- * High Abraision resistant TPU material with smooth outer finished surface.
- *Replace Nylon, Rubber, PVC high pressure hose, PU Braid Hose in pneumatic,trucking, hydraulic, oil pipe system.

★Pressure:

Min Test Pressure: 20bar, Bursting pressure: 48bar

(Actual application MAX working pressure \leq working /tested pressure) .

- *Suggested working pressure \leq 15bar.
- *bursting pressure= 3*working pressure.
- *Tested length of hose: 5meters.
- *Tested method: in house by hydraulic pump.
- *Temperature range: -10°C ~ +70°C (non chemical condition)

★PARAMETERS:

Hardness	100% Modulus (kgf/cm ²)	Tensiles Strength (kgf/cm ²)	Ultimate Elongation (%)	Tear Strength (kgf/cm)	Density (g/cm ³)	Viscosity (Poise/°C)
98 ± 2A	125	500	500	153	1.2 ± 0.02	0.87 × 10 ⁴ / 205 °C

★Chemical resistant:

- *UV resistant: ○ limited
- *Acid: ○ limited
- *Alkali: ○ limited
- *Solvent paint: ○ limited
- *Gasoline: — inferior
- *Air: ++ excellent
- *Water: + good
- *Food application: — inferior

★Specification:

ID(mm)	OD(mm)	Tolerances(mm)	W.P.Max(bar)	Min Bend Radii (mm)
5	8	±0.10	15	35
6.5	10	±0.12	15	43
7.8	12	±0.12	15	52