



TDH88

TECHNICAL DATA SHEET

TDH88 is a high performance TODI type TPU, supplied in form of opaque, colorless granules. It has excellent hydrolysis resistance and excellent mechanical strength.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Values [#]
Density@20°C	ISO 2781	1.12 g/cm³
Shore Hardness	ISO 868	89 A
Tensile strength	ISO 527	45.50 MPa
Elongation @ Break	ISO 527	384.00 %
Modulus @ 100% Elongation	ISO 527	5.92 MPa
Modulus @ 300% Elongation	ISO 527	25.98 MPa
Tear Strength	ISO 34-1B	100.80 KN/m
Hydrolytic stability (80°C 500h)	Tensile strength retention 92.7%	Tear Strength Retention Rate 87.4%
Rebound Resilience	ISO4662	40 %

[#]These are typical value & should not be used for establishing specifications.

Injection molding parameters:

Drying

For optimum results, previous drying of the product during 4-5 hours at 100-110°C is advisable, in a hot air circulatory, vacuum or desiccant-air dryer.

Temperature

Nozzle	Zone1	Zone2	Zone3
29	190°C	190°C	170°C

Recommended maximum hold up time: 8-10min

Recommended mold temperature: 30°C

Pressure and other data

Recommended back pressure: as low as possible

Recommended Maximum screw rotation: 50rpm

PACKAGING

TD95 is packaged in heat-sealed, moisture proof PE bags of 25 kg net weight.

STORAGE

TD95 should be kept in a cool(15-25°C) and dry environment prior to being processed.