



**NAVID ZAR CHIMI Ind. Co.**  
Polypropylene Manufacturer



## **● Parslen ZH554N**

Polypropylene Homopolymer for Production of Fine Denier Staple Fibres for Nonwoven Thermobonded Fabrics.

### ⊗ Product Description:

- Fabrics made with Parslen ZH554N are characterized by softness, textile-like appearance and high tear resistance.
- In comparison with standard Polypropylene types for thermobonding applications, Parslen ZH554N offers some distinct advantages.
  - The processability with the long-spinning technology is outstanding, resulting in high and uniform fibre quality and less down-time.
  - Parslen ZH554N gives a broad thermal bonding window, which facilitates start-up and adjustments of the plant.
  - Parslen ZH554N shows a 20 to 30 % increase in thermal bonding ability. This makes it possible to produce fabrics with a higher tear strength or with a lower weight per m<sup>2</sup> for the same strength.

### ⊗ Application:

- The fabrics are particularly suited for the production of fabrics for feminine care products, diapers, incontinence pads, medical disposables, wipes and other applications include filters and fabrics for the automotive, clothing and furniture industry.



Typical Properties [a,b]	Method	Unit	Value(a)	Tolerance
Melt flow rate(230 ° C, 2.16 Kg)	ASTM D 1238	gr/10 min	12	± 2
Vicat softening point ( 9.8 N)	ASTM D 1525	° C	155	± 4
H.D.T. (0.46 Mpa)	ASTM D 648	° C	117	± 10
Flexural modulus	ASTM D 790	MPa	1550	± 150
Tensile strength at yield	ASTM D 638	MPa	35	± 5
Elongation at yield	ASTM D 638	%	13	- 2
Izod impact strength( notched ) at 23° C	ASTM D 256	J/m	35	± 4
Rockwell hardness [R – B Scale]	ASTM D 785	R – B	71	± 10

a) Values shown are averages and are not to be considered as exact product specifications.

b) All specimens are prepared by injection molding.

(Last revised 10, Aug. 2011)



Parslen ZH554N is suitable for food contact.