

Technical Datasheet

ZH554N

1) Product Description:

- ✓ Polypropylene Homopolymer for production of fine denier staple fibers for Nonwoven thermobonded fabrics.
- ✓ 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 fiber 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 m² for the same strength.

2) Applications:

- ✓ 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.

3) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt flow rate (230°C/2.16 kg)	ASTM D-1238	gr/10min	12
Vicat Softening Pont (9.8N)	ASTM D-1525	°C	155
Elongation at yield	ASTM D-638	%	13
Rockwell Hardness [R-B Scale]	ASTM D-785	R-B	71
Tensile strength at yield	ASTM D-638	MPa	35
Izod Impact strength (notched) at 23°C	ASTM D-256	J/m	35
H.D.T (0.46 MPa)	ASTM D-648	°C	117
Flexural modulus	ASTM D 790	MPa	1550

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