

# TECHNICAL DATA SHEET

## POLYPROPYLENE TATREN HT 25 11

### Homopolymer for spun bond

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

The joint product portfolio of MOL Petrochemicals and Slovnaft provides infinite opportunities

#### DESCRIPTION

**TATREN HT 25 11** is a controlled rheology homopolymer of very narrow molecular weight distribution. Consistent processability, good colour and thermal stability, very low volatiles and low smoke make this grade suitable to be used for very demanding fibre applications. This grade contains anti gas fading additive package.

#### APPLICATIONS

**TATREN HT 25 11** is intended to be used especially for production of non-woven (spun bond) fabrics weight of 14 – 50 gsm for hygienic industry. Unique structure of this grade gives possibility to produce high strength spun bond fabrics while having a superior softness and excellent drapability.

**TATREN HT 25 11** can be used for production of spun bond fabrics intended for other than hygienic applications as well. This product is also suitable for extrusion coating of PP fabrics, injection moulding of general purpose items and for compounding.

**TATREN HT 25 11** is suitable for food contact. The product complies with Food Contact Regulations. The grade is suitable for manufacturing of pharmaceutical packing-product.

#### PROPERTIES

	Test method	Unit	Typical value
MFR (230 °C/2.16 kg)	ISO 1133-1	g/10 min	25
Tensile stress at yield *	ISO 527-1,2	MPa	33
Tensile strain at yield *	ISO 527-1,2	%	10
Modulus of elasticity in tension *	ISO 527-1,2	MPa	1550
Flexural modulus *	ISO 178	MPa	1450
Izod impact strength (notched, 23 °C) *	ISO 180/A	kJ/m <sup>2</sup>	3
HDT (0.45 MPa, flatwise) *	ISO 75-1,2	°C	78
Rockwell hardness *	ISO 2039-2	R scale	101

Typical properties, not to be used as specification.

\* Typical properties measured on standard injection moulded test specimen according to ISO 294-1.

#### PROCESSING

**TATREN HT 25 11** can be processed on standard and also on modern high speed spun bond machines. Recommended processing temperatures are 200 - 260 °C.

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2

### STORAGE AND HANDLING

Pellets are packed in 25 kg PE-LD bags and transported on stretch or shrink-wrapped pallets at eligible load of polymer 1375 kg. Heat treated pallets are available as well. We use adhesive between the bags in order to avoid their slipping. Pay attention to this fact during the removing of the bags from the pallets. The preferred method is to lift the bag at first without rotation. Transportation in a road silo or rail silo is also available. For more detailed information please contact SLOVNAFT and MOL Petrochemicals sales representative.

Since polypropylene is a combustible substance, the fire safety rules applicable for combustible materials in warehouses and store rooms should be observed.

If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condense inside the packing. If it happened, it is recommended the pellets to be dried before use. During the storage polypropylene should not be exposed to UV radiation and temperatures above 40°C. Producer does not take responsibility for any damages caused by adverse storage.

### REACH STATEMENT

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered. SLOVNAFT, a.s. is committed to fully respect legislation and will only use REACH compliant raw materials. At this point in time PP TATREN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

### SAFETY

See MSDS.

### RECYCLING

Polypropylene resins are suitable for recycling using modern recycling methods. In-house production waste should be kept clean to facilitate direct recycling.

### DISCLAIMER

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3

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4

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April 2019