

TWO COLOURS



ONE DIRECTION

TATREN HT 3 06

Homopolymer for weaving tapes

Description

TATREN HT 3 06 is homopolymer of good processing stability and it can be processed at high throughput. Additive package of this grade provides for low water carry over during production of tapes.

TATREN HT 3 06 is characterised by exceptionally high mechanical properties and high stiffness.

Applications

TATREN HT 3 06 is intended for production of high tenacity weaving tapes and monofilaments. It is well suitable to produce PP fabrics for big-bags production, carpet backing, ropes and marine ropes, twines etc. This grade can be used also for extrusion, injection moulding and compounding.

TATREN HT 3 06 is suitable for food contact. The product complies to Food Contact Regulations.

Properties

	Test method	Unit	Typical value
MFR (230 °C/2,16 kg)	ISO 1133	g/10 min	3
Tensile strength at yield *	ISO 527-1,2	MPa	36,5
Tensile elongation at yield *	ISO 527-1,2	%	9
Modulus of elasticity in tension *	ISO 527-1,2	MPa	1900
Flexural modulus *	ISO 178	MPa	1750
Izod impact strength (notched, 23 °C) *	ISO 180/1A	kJ/m ²	4,5
HDT (0.46 MPa) *	ISO 75-1,2	°C	110
Rockwell hardness *	ISO 2039/2	R scale	102

* Typical properties, not to be used as specification. Average mechanical property values of several measurements carried out on standard injection-moulded test specimens prepared in accordance with ISO 1873-2.



Processing

TATREN HT 3 06 can be processed on standard extrusion machines. Recommended processing temperatures are 230 - 260 °C.

Storage and Handling

Pellets are packed in 25 kg PE-LD bags and transported on shrink-wrapped pallets at eligible load of polymer 1250 or 1375 kg. Transportation in a road silo or rail silo is also available.

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. Producer does not take responsibility for any damages caused by adverse storage.

Polymer should be handled and stored away from contact with direct flames and other ignition sources.

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.

Notes

The information provided in this publication has been compiled to the best of our present knowledge. However, in view of the various applications of polypropylene resins and the equipment used, the processing conditions may differ.

The recommendations and data herein are to be construed as informative only and do not relieve users from carrying out their own tests and experiments prior to processing in order to check suitability for a specific use. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. Our products are under continuous development, therefore we reserve the right to change the information presented in this brochure at our own discretion.

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The joint product portfolio of TVK and Slovnaft Petrochemicals provide infinite opportunities

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