

# TATREN® HT 3 06

Polypropylene Homopolymer

Slovnaft Petrochemicals, s.r.o.

## Message:

TATREN HT 3 06 is homopolymer of good processing stability and it can be processed at high throughput. Additive package of this grade provides 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, sheet extrusion and thermoforming, injection moulding and compounding.

TATREN HT 3 06 is suitable for food contact. The product complies with Food Contact Regulations. The grade is suitable for manufacturing of pharmaceutical packing-product.

General Information	
Features	Fast Molding Cycle
	Food Contact Acceptable
	Good Processing Stability
	High Stiffness
	Homopolymer
	Low Water Carryover
	Recyclable Material
Uses	Bags
	Carpet Backing
	Monofilaments
	Packaging
	Pharmaceutical Packaging
	Rope
	Tape
	Textile Applications
Forms	Twine
	Pellets
Processing Method	Compounding
	Extrusion
	Injection Molding
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	95		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1800	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	36.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	9.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C, Injection Molded)	6.0	kJ/m <sup>2</sup>	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	230 to 260	°C	

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#### Recommended distributors for this material

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