

TWO COLOURS



ONE DIRECTION

TATREN IM 25 75

POLYPROPYLENE TATREN IM 25 75 is a new controlled rheology, nucleated impact copolymer with melt flow rate 25 g/10min.

TATREN IM 25 75 is characterized by excellent impact resistance and with enhanced stiffness.

BENEFITS:

FLOW PROPERTIES

- ▶ Unique combination of flow properties and additives gives this grade opportunity to fill easy injection moulds, even of low thicknesses

STACKABILITY AND DURABILITY

- ▶ Very high impact strength and good stiffness allows higher stacking and better utilization of storage space

OUTPUT POTENTIAL

- ▶ Nucleating agent supports quick de-moulding and high output in the injection moulding process
- ▶ Potential for increasing of production rate (cycle time reduction)

KEY FEATURES:

- ▶ Excellent impact/stiffness balance
- ▶ Good durability
- ▶ Shrinkage typical for nucleated PP impact copolymers
- ▶ Fully suitable for food contact
- ▶ Suitable for toys production



TARGET APPLICATIONS:

- ▶ Heavy duty storage, transport and medical containers
- ▶ Crates and rigid boxes, luggage
- ▶ Household and technical articles
- ▶ Compounds for automotive industry

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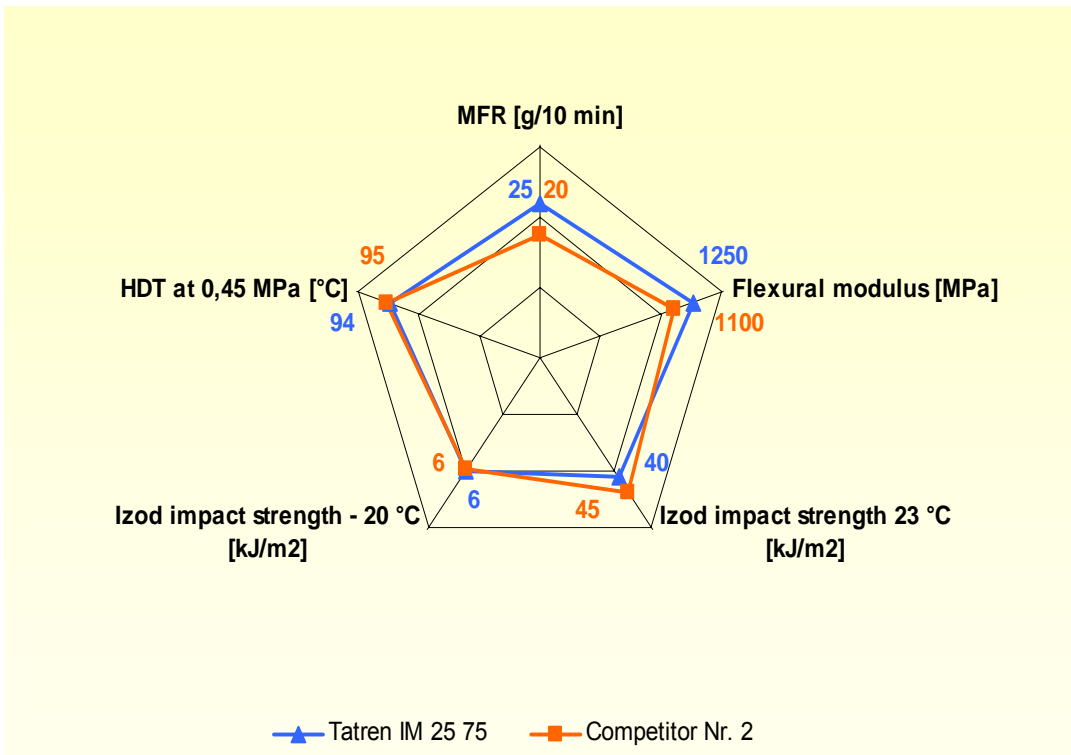
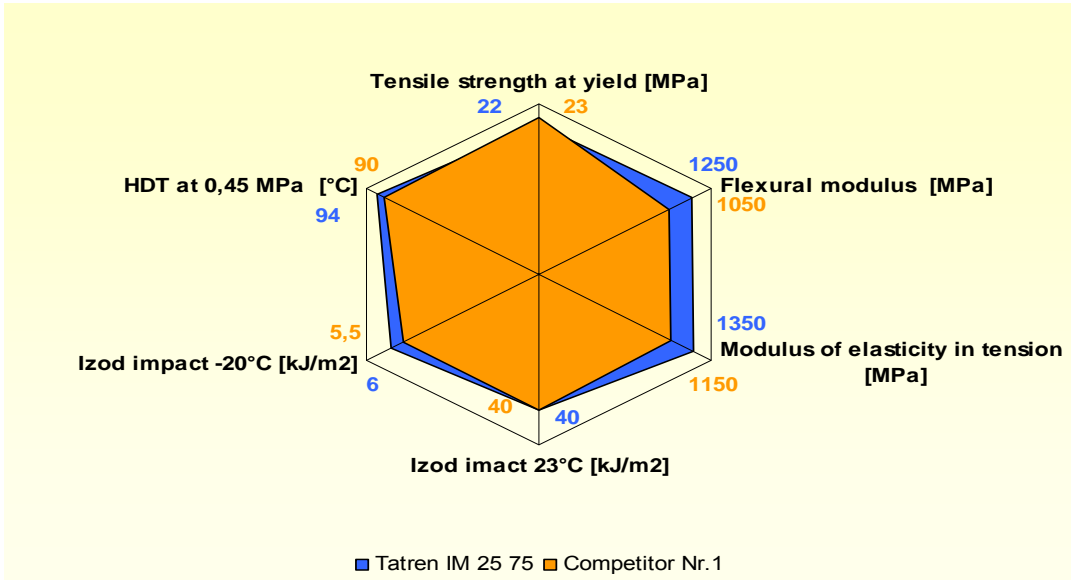
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COMPARISON OF NEW TATREN IM 25 75 TO COMPETITIVE GRADES INTENDED FOR THE

SAME APPLICATION FIELDS:



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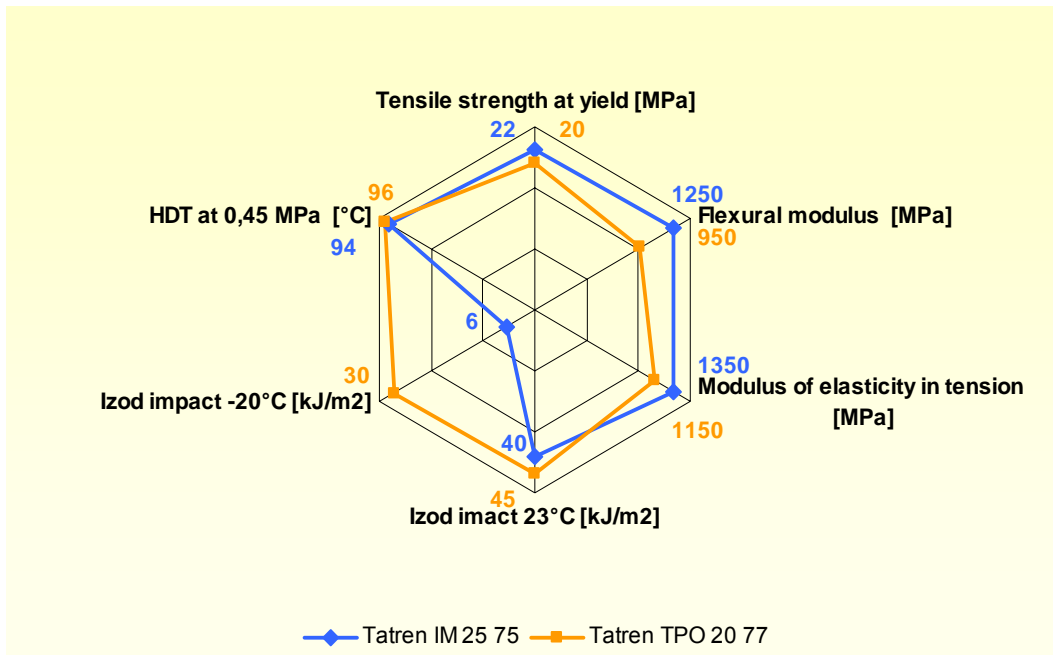
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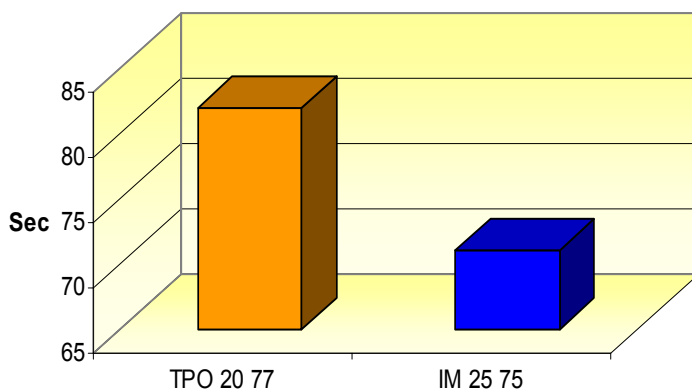


COMPARISON OF TATREN IM 25 75 TO TATREN TPO 20 77



INDUSTRIAL TEST OF TATREN IM 25 75 IN COMPARE TO TATREN TPO 20 77:

Cycle time for 35 Lt heavy duty bucket



- ▶ IM 25 75 gives -13% cycle time reduction in compare to TPO 20 77
- ▶ In case of 35 Lt heavy duty bucket the cycle time was reduced from 82s (44 pcs/hr) to 71s (51 pcs/hr).

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OTHER CHARACTERISTICS OF TATREN IM 25 75

Property	Unit	Value	Test methods
MFR, 230°C/ 2,16 kg	g/10 min	25	ISO 1133
Flexural modulus	MPa	1250	ISO 178
Modulus of elasticity in tension	MPa	1350	ISO 527-1,2
Tensile strength at Yield	MPa	22	ISO 527-1,2
Tensile elongation at Yield	%	6,5	ISO 527-1,2
Izod impact at 23°C	kJ/m ²	40	ISO 180/1A
Izod impact at -20°C	kJ/m ²	6	ISO 180/1A
HDT 0,46 MPa	°C	94	ISO 75-1,2
Hardness Rockwell	R scale	69	ISO 2039/2
Tc	°C	115	ISO 11357-3
Shrinkage MD	%	1,23	ISO 294-4
Shrinkage TD	%	1,49	ISO 294-4

MANUFACTURER:

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www.slovnaft.sk, www.tvk.hu or contact your sales representative.

DISCLAIMER

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