

TWO COLOURS



ONE DIRECTION

TATREN IM 6 56

POLYPROPYLENE TATREN IM 6 56 is an impact copolymer developed for injection moulding of auto battery cases, household appliances, car parts and other technical items where excellent long term heat resistance (LTHR) is required.

BENEFITS:

- ▶ TATREN IM 6 56 meets the end user demands of high heat stabilised polymers. Long term heat resistance is provided by special additive package.
- ▶ TATREN IM 6 56 can be processed on conventional as well as modern injection moulding equipments for small as well as large rigid items.
- ▶ Excellent stiffness of TATREN IM 6 56 enables to produce final articles of lower wall thickness while the stiffness of the article is stable.

KEY FEATURES:

- ▶ Excellent long-term heat resistance
- ▶ Enhanced stiffness, high hardness
- ▶ Excellent impact properties
- ▶ Fully suitable for food contact
- ▶ Suitable for production of toys



TARGET APPLICATIONS:

- ▶ Battery cases
- ▶ Automotive components
- ▶ Household appliances
- ▶ Rigid boxes
- ▶ Parts for electrical engineering
- ▶ Technical items
- ▶ Fittings
- ▶ House wares

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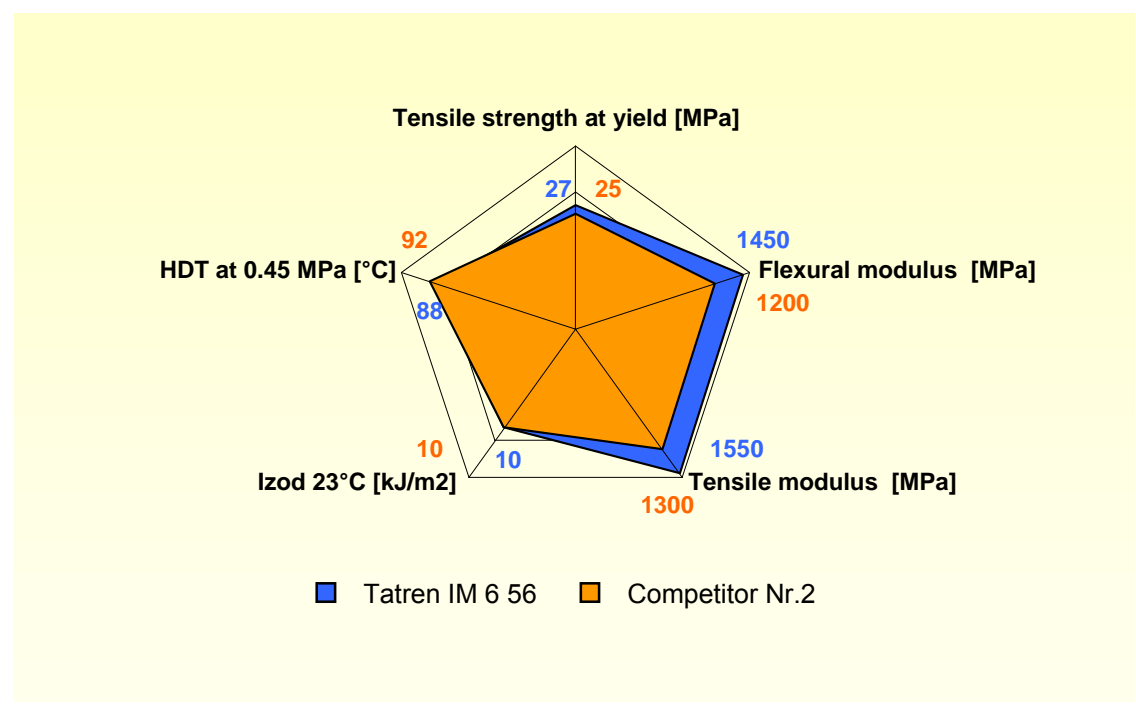
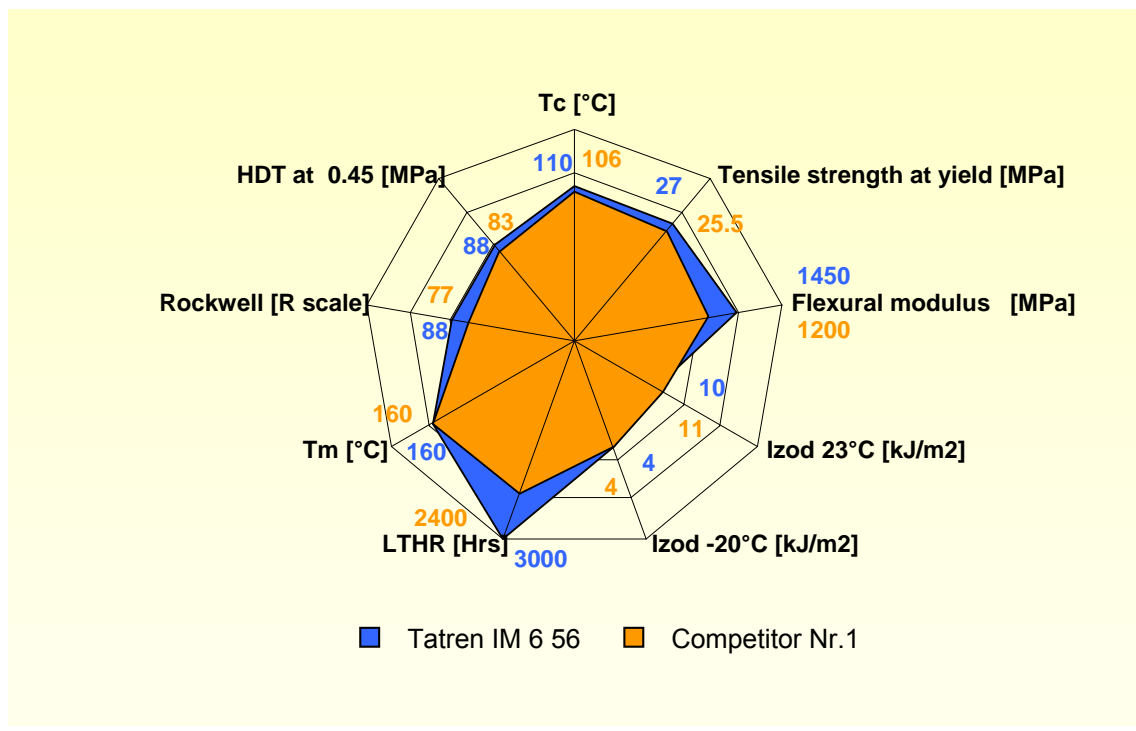




**COMPARISON OF TATREN IM 6 56 TO TWO COMPETITIVE GRADES INTENDED
FOR THE SAME APPLICATION FIELD:**

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Product News



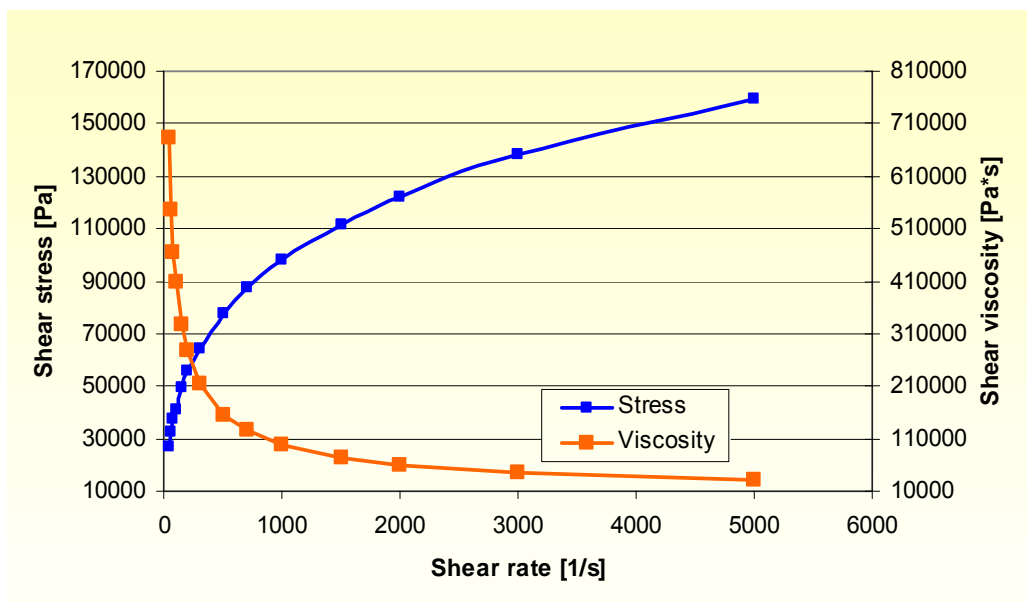
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- ▶ TATREN IM 6 56 exhibits excellent stiffness as well as superior mechanical properties. It gives possibility to reduce wall thickness while the stiffness of final product is stable.
- ▶ TATREN IM 6 56 exhibits the same and in some cases even better properties than competitive grades intended for the same applications.

RHEOLOGICAL PROPERTIES OF TATREN IM 6 56:



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OTHER CHARACTERISTICS OF TATREN IM 6 56:

Property	Unit	Value	Test methods
MFR, 230°C/ 2.16 kg	g/10 min	6,5	ISO 1133
Flexural modulus	MPa	1450	ISO 178
Modulus of elasticity in tension	MPa	1550	ISO 527-1,2
Tensile strength at Yield	MPa	27	ISO 527-1,2
Tensile elongation at Yield	%	7	ISO 527-1,2
Izod impact at 23°C	kJ/m ²	10	ISO 180/1A
Izod impact at -20°C	kJ/m ²	4	ISO 180/1A
HDT 0,46 MPa	°C	88	ISO 75-1,2
Hardness Rockwell	R scale	88	ISO 2039/2
LTHR	hours	3000	ISO 4577
Tc	°C	110	ISO 11357-3
Shrinkage MD	%	1,5	ISO 294-4
Shrinkage TD	%	1,24	ISO 294-4



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

DISCLAIMER

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Date of issue: April, 2009

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