

TECHNICAL DATA SHEET

POLYPROPYLENE TATREN HG 10 07

Homopolymer for general purpose

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

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

DESCRIPTION

TATREN HG 10 07 is a homopolymer of good processing stability and excellent spinning properties. It is characterised by broad processing window and it enables to process this grade by different processing technologies – fibres, cast film and injection moulding. **TATREN HG 10 07** contains anti gas fading additive package. It contains neither slip nor antiblocking agent.

APPLICATIONS

TATREN HG 10 07 is intended especially for staple fibres production. It is also suitable for cast film production as core layer at co-extrusion and for injection moulding of sanitary equipments, caps, closures and small technical items. This grade is partially suitable for sheet extrusion and thermoforming applications and for compounding.

TATREN HG 10 07 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	10
Tensile stress at yield *	ISO 527-1,2	MPa	36
Tensile strain at yield *	ISO 527-1,2	%	8
Modulus of elasticity in tension *	ISO 527-1,2	MPa	1900
Flexural modulus *	ISO 178	MPa	1900
Izod impact strength (notched, 23 °C) *	ISO 180/A	kJ/m ²	4
HDT (0.45 MPa, flatwise) *	ISO 75-1,2	°C	102
Rockwell hardness *	ISO 2039-2	R scale	103

Typical properties, not to be used as specification.

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

PROCESSING

TATREN HG 10 07 can be processed on standard extrusion and injection moulding machines. Recommended processing temperatures are 210 - 260 °C.

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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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MANUFACTURER

SLOVNAFT, a.s.

Vlčie hrdlo 1
824 12 Bratislava
Slovak Republic
E-mail: infopolymer@slovnaft.sk

TECHNICAL SERVICE

SLOVNAFT, a.s.

Vlčie hrdlo 1
824 12 Bratislava
Slovak Republic
Telephone:
+ 421 2 5859 7250
+ 421 2 5859 7257
E-mail: polymerservice@slovnaft.sk

SALES ORGANIZATION

GERMANY

Im Trutz Frankfurt 49,
D-60322 Frankfurt am Main, Germany
Telephone: +49 69 154 04 0
Fax: +49 69 154 04 41
E-mail: polymersales@molgermany.de

ITALY

Via Montefeltro, 4
20156 Milano, Italy
Telephone: +39 02 58 30 5523
Fax: +39 02 58 30 3492
E-mail: tvk.info@molgroupitaly.it

POLAND

Ul. Postępu 17D
02-676 Warszawa, Poland
Telephone: +48 22 545 70 70
Fax: +48 22 545 70 60
E-mail: petchem@slovnaft.pl

AUSTRIA

Walcherstrasse 11A, 7.Stock
A- 1020 Wien, Austria
Telephone: +43 1 211 20 1120
Fax: +43 1 211 20 1198
E-mail: JHauk@molaustria.at

FRANCE

Paris, France
Mobile Phone: + 33 7 89 86 10 64
Telephone: + 33 1 64 32 44 17
E-mail: iren.husson@molgroupitaly.it

ROMANIA

Str. Danielopolu 4-6
ET1 Sector 1 Cod 014 134
Bucuresti, Romania
Telephone:
+40 21 204 85 00
+40 21 204 85 02
Fax: +40 21 232 10 59
E-mail: petchem@molromania.ro

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HUNGARY

H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
Telephone: +36 49 531 928
Fax: +36 1 8877 647
E-mail: polymersales@mol.hu

UKRAINE

04073 Kiev
Stepana Bandery ave., 23, 7th floor, of. 305,
Ukraine
Telephone:
+380 44 374 00 80
+380 67 463 58 69
Fax: +380 44 374 00 90
E-mail: JZavojko@mol-ukraine.com.ua

OTHER EUROPEAN COUNTRIES

Telephone:
+36 20 506 6572
+36 70 373 9209
Fax: + 36 1 8877 647
E-mail: polymersales@mol.hu

SLOVAKIA AND CZECH REPUBLIC

Vlčie hrdlo 1
824 12 Bratislava, Slovak Republic
Telephone:
+ 421 2 5859 7515
+ 421 2 5859 7622
+ 421 2 5859 7741
+ 421 2 5859 7231
E-mail: polymersales@slovnaft.sk

CROATIA, SLOVENIA, SERBIA, MONTENEGRO, BOSNIA AND HERZEGOVINA, FYR MACEDONIA, ALBANIA, KOSOVO

Zadarska 80
HR-10000 Zagreb, Croatia
Telephone: +385 1 6160 600
Fax: +385 1 6160 601
E-mail: polymersales@tifon.hr

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