

TWO COLOURS



ONE DIRECTION

Polypropylene  
**TATREN HF 3 22**  
Homopolymer for BOPP film

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### Description

**TATREN HF 3 22** is homopolymer intended for processing on high-speed BOPP lines. Thanks its special molecular structure has broad processing window. Produced films have very good stiffness although **TATREN HF 3 22** is very elastic during processing. **TATREN HF 3 22** does not contain slip either antiblocking agent. It is calcium stearate free.

**TATREN HF 3 22** is characterised by very stable and uniform melt flow, very good adhesion to outer layers. It does not break during orienting and has excellent optical properties – low haze and high gloss

### Applications

**TATREN HF 3 22** is intended for production of monolayer and co-extruded bi-axially oriented PP films (BOPPF) for food, flowers and textile packaging. It is suitable also for tobacco industry. Produced BOPP films are metallisable and show excellent mechanical properties

**TATREN HF 3 22** 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	33
Tensile elongation at yield *	ISO 527-1,2	%	11
Modulus of elasticity in tension *	ISO 527-1,2	MPa	1600
Flexural modulus *	ISO 178	MPa	1500
Izod impact strength (notched, 23 °C) *	ISO 180/1A	kJ/m <sup>2</sup>	4,5
HDT (0.46 MPa) *	ISO 75-1,2	°C	102
Rockwell hardness	ISO 2039/2	R scale	97

\* 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.

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## Processing

**TATREN HF 3 22** can be processed on standard and also high speed BOPP lines.

Recommended processing temperatures are 230 – 240 °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 informatory 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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**MANUFACTURER**

Slovnaft Petrochemicals, s.r.o.  
Vlčie hrdlo 4846  
824 12 Bratislava  
Slovak Republic  
**Internet:** <http://www.slovnaft.sk>  
**E-mail:** [info@slovnaft.sk](mailto:info@slovnaft.sk)

**CUSTOMER SERVICE**

Slovnaft Petrochemicals, s.r.o.  
Polymer Marketing and Sales  
**E-mail:**  
[jana.moncekova@petchem.sk](mailto:jana.moncekova@petchem.sk)  
[zuzana.kramarova@petchem.sk](mailto:zuzana.kramarova@petchem.sk)  
**Telephone:** + 421 2 4055 6836, + 421 2 4055 6941  
**Fax:** + 421 2 5859 9825

**SALES ORGANIZATION****Sales Department**

Slovnaft Petrochemicals, s.r.o.  
Polymer Marketing and Sales  
Vlčie hrdlo 4846  
824 12 Bratislava  
Slovak Republic  
**Telephone:** + 421 2 5859 7515, +421 2 5859 7682  
**Fax:** + 421 2 5859 7224

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**TVK Inter-Chemol GmbH.**

Felnerstrasse 5.  
D-60322 Frankfurt am Main  
Germany  
**Telephone:** +49 69 154 04 12  
**Fax:** +49 69 154 04 41  
**E-mail:** [gaboragoston@tvkic.de](mailto:gaboragoston@tvkic.de)

**TVK Italia S.r.L.**

Via P. Teulié 1.  
20136 Milano  
Italy  
**Telephone:** +39 02 58 30 5523  
**Fax:** +39 02 58 30 3492  
**E-mail:** [tvkitaly@energy.it](mailto:tvkitaly@energy.it)

**TVK-France**

182, avenue Charles DeGaulle  
F-92200 Neuilly-sur-Seine  
France  
**Telephone:** +33 14 745 63 60  
**Fax:** +33 14 745 45 10  
**E-mail:** [kacsandi@free.fr](mailto:kacsandi@free.fr)

**TVK UK Ltd.**

707 High Road, North Finchley  
London N12 0BT  
Great-Britain  
**Telephone:** +44-020/8369 5650  
**Fax:** +44-020/8369 5656  
**E-mail:** [dios@tvkuk.com](mailto:dios@tvkuk.com)

**TVK Ukraine**

04073 Kiev  
pr. Moskovsky, 6  
**Telephone:** +380 44 4683261  
**Fax:** +380 44 4681562  
**E-mail:** [office@tvkukraine.eu](mailto:office@tvkukraine.eu)

**TVK Polska Sp.z.o.o.**

ul. Wawozowa 23/12  
PL-02-796 Warszawa  
Poland  
**Telephone:** +48 22 648 17 95  
**Fax:** +48 22 648 67 94  
**E-mail:** [tvkpolska@tvkpolska.pl](mailto:tvkpolska@tvkpolska.pl)

**MOL- Austria Handels GmbH.**

Gartenbaupromenade 2/6  
A-1010 Wien  
Austria  
**Telephone:** +43 1 515 991 120  
**Fax:** +43 1 513 37 55 1120  
**E-mail:** [j.hauk@mol-vie.com](mailto:j.hauk@mol-vie.com)

**MOL GROUP Moscow**

Representative Office TVK  
RU-115054 Moscow  
Kosmodamianskaya Naberezhnaya  
D.52 Strojenie 3  
**Telephone:** +7 495 363 39 55  
**Fax:** +7 495 363 39 46  
**E-mail:** [jhanko@rus.mol.hu](mailto:jhanko@rus.mol.hu)  
[ikuskova@rus.mol.hu](mailto:ikuskova@rus.mol.hu)

**SC. MOL Romania P.P. SRL**

Str. Danielopolu 4-6  
ET2 Sector 1 Cod, 014 134  
Bucuresti, Romania  
**Telephone:** +40 21 204 85 00  
+40 21 204 85 02  
**Fax:** +40 21 232 1059  
**E-mail:** [ematei@molromania.ro](mailto:ematei@molromania.ro)

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