

TWO COLOURS



ONE DIRECTION

Polypropylene

**TATREN IM 22 63**

Impact copolymer for injection moulding

\*\*\*\*\*

**Description**

**TATREN IM 22 63** is controlled rheology impact copolymer of good processing stability and medium fluidity. This grade contains nucleating and antistatic agent.

**TATREN IM 22 63** is characterised by high stiffness and good impact resistance

**Applications**

**TATREN IM 22 63** is intended especially for injection moulding of products where good impact resistance is required – different technical items, consumer goods, household articles, rigid packages etc. Typical end products are buckets for paints and coatings, storage and transport containers, crates, garden furniture, flower pots, toys etc.

**TATREN IM 22 63** is suitable for food contact. The product complies with Food Contact Regulations.

**Properties**

	Test method	Unit	Typical value
MFR (230 °C/2.16 kg)	ISO 1133	g/10 min	22
Tensile strength at yield *	ISO 527-1,2	MPa	26
Tensile strain at yield *	ISO 527-1,2	%	5
Modulus of elasticity in tension *	ISO 527-1,2	MPa	1650
Flexural modulus *	ISO 178	MPa	1500
Izod impact strength (notched, 23 °C) *	ISO 180/A	kJ/m <sup>2</sup>	9
Izod impact strength (notched, -20 °C) *	ISO 180/A	kJ/m <sup>2</sup>	4.5
HDT (0.45 MPa) *	ISO 75-1,2	°C	107
Rockwell hardness *	ISO 2039/2	R scale	88

\* 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.

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft Petrochemicals provide infinite opportunities

MEMBERS OF THE MOL GROUP



Slovnaft  
PETROCHEMICALS



TVK

## Processing

**TATREN IM 22 63** can be processed on standard injection moulding machines.

Recommended processing temperatures are 190 – 250 °C.

## Storage and Handling

Pellets are packed in 25 kg PE-LD bags and transported on shrink or stretch wrapped pallets at eligible load of polymer 1250 or 1375 kg. Heat treated pallets are available as well. Transportation in a road silo or rail silo is also available. For more detailed information please contact Sloznaft Petrochemicals and TVK 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.

Sloznaft Petrochemicals, s.r.o./TVK Plc. is committed to fully respect this new legislation and will only use REACH compliant raw materials.

At this point in time PP TATREN/TIPPLEN 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

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 informational 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.

The REACH statement herein does not constitute legal advice. The REACH statement is provided for informational purpose only.

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Sloznaft Petrochemicals provide infinite opportunities

MEMBERS OF THE MOL GROUP



Sloznaft  
PETROCHEMICALS



**MANUFACTURER**

Slovnaft Petrochemicals, s.r.o.  
Vlčie hrdlo 4846  
824 12 Bratislava  
Slovak Republic

Internet: [www.slovnaft.sk](http://www.slovnaft.sk)

E-mail: [info@slovnaft.sk](mailto:info@slovnaft.sk)

**TECHNICAL SERVICE**

Slovnaft Petrochemicals, s.r.o.  
Polymer Marketing and Sales

Telephone: + 421 2 4055 6836, + 421 2 4055 6941

Fax: + 421 2 4055 4902

E-mail: [customerservice@snpch.petchem.sk](mailto:customerservice@snpch.petchem.sk)

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft Petrochemicals provide infinite opportunities

**MEMBERS OF THE MOL GROUP**



**TVK Plc.**

H-3581 Tiszaújváros,  
P.O. Box: 20  
Hungary

Telephone: +36 49 521-355

Fax: +36 49 522-410

E-mail: [polymersales@tvk.hu](mailto:polymersales@tvk.hu)

**Slovnaft Petrochemicals, s.r.o.**

Vlčie hrdlo 4846  
824 12 Bratislava  
Slovak Republic

Telephone: + 421 2 5859 6549

+ 421 2 5859 7231

+ 421 2 5859 7469

+ 421 2 5859 7741

Fax: + 421 2 5859 7381

E-mail:

[polymersales@snpch.petchem.sk](mailto:polymersales@snpch.petchem.sk)

**TVK Inter-Chemol GmbH.**

Fellnerstrasse 7-9.  
D-60322 Frankfurt am Main  
Germany

Telephone: +49 69 154 04 0

+49 69 154 04 31

Fax: +49 69 154 04 41

E-mail: [tvkich@de.tvk.eu](mailto:tvkich@de.tvk.eu)

**TVK Italia S.r.l.**

Via Teulié, 1  
20136 Milano  
Italy

Telephone: +39 02 58 30 5523

Fax: +39 02 58 30 3492

E-mail: [tvkitaly@it.tvk.eu](mailto:tvkitaly@it.tvk.eu)

**TVK France**

182 avenue Charles de Gaulle  
F-92200 Neuilly-sur-Seine  
France

Telephone: +33 (0)1 47 45 63 60

Fax: +33 (0)1 47 45 45 10

E-mail: [tvkfrance@fr.tvk.eu](mailto:tvkfrance@fr.tvk.eu)

**TVK Ukraine**

04128 Kiev  
ul. Tupoleva, 19, office 303  
Ukraine

Telephone: +380 44 374 00 80

+380 67 463 58 70

Fax: +380 44 374 00 90

E-mail: [dmaxim@tvkukraine.eu](mailto:dmaxim@tvkukraine.eu)

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

ul. Wąwozowa 23/12  
PL 02-796 Warszawa  
Poland

Telephone: +48 22 545 70 70

Fax: +48 22 545 70 60

E-mail: [tvkpolska@pl.tvk.eu](mailto:tvkpolska@pl.tvk.eu)

**MOL- Austria Handels GmbH.**

Gartenbaupromenade 2/6  
A-1010 Wien  
Austria

Telephone: +43 1 515 991 120

+43 1 515 991 121

Fax: +43 1 513 37 55 1120

+43 1 513 37 55 1121

E-mail: [JHauk@molaustria.at](mailto:JHauk@molaustria.at)

**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: [petchem@molromania.ro](mailto:petchem@molromania.ro)

**Other European Countries**

Telephone: +36 49 521 355

+ 421 2 5859 7515

+ 421 2 5859 7682

Fax: +36 49 522 410

+421 2 5859 7224

E-mail: [polymersales@tvk.hu](mailto:polymersales@tvk.hu)

[polymersales@snpch.petchem.sk](mailto:polymersales@snpch.petchem.sk)

January 2012

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft Petrochemicals provide infinite opportunities

MEMBERS OF THE MOL GROUP



**Slovnaft**  
PETROCHEMICALS

