

TWO COLOURS



ONE DIRECTION

Polypropylene
TIPPLEN R 351 F
Random copolymer for extrusion

Description

TIPPLEN R 351 F is a random copolymer polypropylene with a slip and antiblock package. The product shows high transparency and gloss and very good heat weldability. The seal initiation temperature is about 136 °C.

Applications

TIPPLEN R 351 F is recommended for extrusion of cast and water-quenched blown films. It is well suited for the packaging of foodstuff such as biscuits, sweets, pasta, tea and for the packaging of stationary, shirt etc.

TIPPLEN R 351 F is also recommended for quality packaging either as monolayer film or as welding layer in coextruded structures.

Because of the excellent heat weldability, **TIPPLEN R 351 F** is well suited for lamination of PP film or other materials such as PA, polyester or aluminium to form the sealing layer.

TIPPLEN R 351 F is suitable for food contact. The product complies with Food Contact Regulations.

Properties

	<i>Test method</i>	<i>Unit</i>	<i>Typical value</i>
MFR (230 °C /2.16 kg)	ISO 1133	g/10 min	8.5
Flexural Modulus *	ISO 178	MPa	900
Modulus of Elasticity in Tension *	ISO 527-1,2	MPa	950
Tensile Strength at Yield *	ISO 527-1,2	MPa	27
Tensile Strain at Yield *	ISO 527-1,2	%	13
Izod Impact Strength (notched, 23 °C) *	ISO 180/A	kJ/m ²	5
HDT (0.45 MPa) *	ISO 75-1,2	°C	74
Rockwell Hardness *	ISO 2039/2	R scale	73

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



Processing

TIPPLEN R 351 F can be used in conventional extrusion machines. Recommended processing temperature 185 – 230 °C.

Storage and Handling

Pellets are packed in 25 kg PE-LD bags and transported on shrink-wrapped pallets at eligible load of polymer 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 methods of shredding and cleaning.

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 equipments 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.

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



MANUFACTURER

TVK Plc.
H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
Internet: www.tvk.hu
E-mail: tvkinfo@tvk.hu

TECHNICAL SERVICE

TVK Plc.
Polymer Marketing and Sales
Technical Service
H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
Fax: + 36 49 521-186
E-mail: customerservice@tvk.hu

Technical service for PE

Telephone: + 36 49 521-367, + 36-80 204-249,

Technical service for PP

Telephone: + 36 49 522-013, + 36-80 204-2488

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

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

+ 421 2 5859 7381

Fax:

E-mail:

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

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

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

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

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

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

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

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

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

