

TWO COLOURS



ONE DIRECTION

Polypropylene

TIPPLEN R 959 A

Random copolymer for injection moulding

Description

TIPPLEN R 959 A is a random copolymer polypropylene for injection moulding applications.

The product is formulated with a nucleating agent. The product shows excellent transparency and gloss. **TIPPLEN R 959 A** is an interesting alternative to PS and PVC.

Applications

Typical application include injection moulding for the production of household articles, containers and thin-walled packaging for cosmetics, toiletries, herbs, confectionery and pharmaceuticals where clarity is of the utmost importance.

The product complies to Food Contact Regulations.

Properties

	Test method	Unit	Typical value
MFR (230 °C/2.16 kg)	ISO 1133	g/10 min	45
Tensile strength at yield*	ISO 527-1,2	MPa	27.5
Tensile elongation at yield *	ISO 527-1,2	%	13
Modulus of elasticity in tension *	ISO 527-1,2	MPa	950
Flexular modulus *	ISO 178	MPa	900
Izod impact strength (notched,23 °C) *	ISO 180/1A	kJ/m ²	5
HDT (0.46 N/mm ²) *	ISO 75-1,2	°C	84
Rockwell hardness *	ISO 2039/2	R scale	78

* 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.

Processing

TIPPLEN R 959 A can be used in conventional injection moulding 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 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 methods of shredding and cleaning.

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.

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP



MANUFACTURER

Tiszai Chemical Group Plc.
Polymer Business Unit
H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
Internet: <http://www.tvk.hu>
E-mail: tvkinfo@tvk.hu

CUSTOMER SERVICE

Tiszai Chemical Group Plc.
Polymer Marketing and Sales
Customer Service
H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
E-mail: customerservice@tvk.hu

Customer service for PE

Telephone: + 36 49 521-367, + 36-80 204-249,
Fax: + 36 49 521-186

Customer service for PP

Telephone: + 36 49 522-013, + 36-80 204-248
Fax: + 36-49 522-865

SALES ORGANIZATION

Tiszai Chemical Group Plc.
Polymer Marketing and Sales
Sales Department
H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
Telephone: +36 49 521-355
Fax: +36 49 522-410
E-mail: polymersales@tvk.hu

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP



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

TVK Italia S.r.L.
Via P. Teulíe 1.
20136 Milano
Italy
Telephone: +39 02 58 30 5523
Fax: +39 02 58 30 3492
E-mail: 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

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

TVK Ukraine
04073 Kiev
pr. Moskovsky, 6
Telephone: +380 44 4683261
Fax: +380 44 4681562
E-mail: 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

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

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
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

March 2008

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP

