

TWO COLOURS



ONE DIRECTION

Polypropylene

TIPPLEN K 693

Impact copolymer for extrusion

Description

TIPPLEN K 693 is a high molecular weight impact copolymer polypropylene for the extrusion and injection moulding applications. **TIPPLEN K 693** offers excellent impact strength, good stiffness and excellent processability.

Applications

TIPPLEN K 693 is well suited for medium-low weight corrugated cardboards, sheets and blow moulded bottles. This grade is also recommended heavy-duty packaging and large containers.

TIPPLEN K 693 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	2
Flexural modulus *	ISO 178	MPa	1450
Modulus of Elasticity in Tension *	ISO 527-1,2	MPa	1350
Tensile Strength at Yield *	ISO 527-1,2	MPa	29
Tensile Strain at Yield *	ISO 527-1,2	%	9
Izod Impact Strength (notched, 23 °C) *	ISO 180/1A	kJ/m ²	25
Izod Impact Strength (notched, -20 °C) *	ISO 180/1A	kJ/m ²	5
HDT (0.45 N/mm ²) *	ISO 75-1,2	°C	88
Rockwell Hardness *	ISO 2039/2	R scale	79

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

TIPPLEN K 693 can be used in conventional extrusion and injection moulding machines. Recommended processing temperature 190 – 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 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 most 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.

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Sloznaft
PETROCHEMICALS



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, + 36-80 204-248

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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.

Vičie hrdlo 4846
824 12 Bratislava
Slovak Republic
Telephone: + 421 2 5859 6549
+ 421 2 5859 7231
+ 421 2 5859 7741
Fax: + 421 2 5859 7381
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 DeGaulle
F-92200 Neuilly-sur-Seine
France
Telephone: +33 (0)1 47456360
Fax: +33 (0)1 47454510
E-mail: tvk.france@orange.fr

TVK Ukraine

04128 Kiev
ul. Tupoleva, 19, office 303
Telephone: +380 44 374 00 80
Fax: +380 44 374 00 90
E-mail: office@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@tvkpolska.pl
tvkpolska@pl.tvk.eu
www.tvkpolska.pl

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@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: 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

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