

TECHNICAL DATA SHEET

POLYPROPYLENE TIPPLEN H 145 F

Homopolymer for injection moulding

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

The joint product portfolio of MOL Petrochemicals and Slovnaft provides infinite opportunities

DESCRIPTION

TIPPLEN H 145 F is a homopolymer polypropylene with low molecular weight and narrow molecular weight distribution. This product has high melt flow and outstanding processability for shorter cycle times. This grade contains anti gas-fading additive package.

APPLICATIONS

TIPPLEN H 145 F is particularly suitable for bulked continuous filaments for carpets, high tenacity continuous filaments for straps and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear. This grade is also suitable for low denier staple fibres for non-woven fabrics. It exhibits excellent anti-gasfading properties.

TIPPLEN H 145 F is also recommended for injection moulding of thin-walled packaging products, toys, household and kitchen articles.

TIPPLEN H 145 F is suitable for food contact. The product complies with Food Contact Regulations and Toy Safety Regulations.

PROPERTIES

	Test method	Unit	Typical value
MFR (230 °C /2.16 kg)	ISO 1133-1	g/10 min	28
Flexural Modulus *	ISO 178	MPa	1800
Modulus of Elasticity in Tension *	ISO 527-1,2	MPa	1750
Tensile Strength at Yield *	ISO 527-1,2	MPa	39
Tensile Strain at Yield *	ISO 527-1,2	%	8
Izod Impact Strength (notched, 23 °C) *	ISO 180/A	kJ/m ²	2.5
HDT (0.45 MPa) *	ISO 75-1,2	°C	109
Rockwell Hardness *	ISO 2039/2	R scale	104

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 1872-2.

PROCESSING

TIPPLEN H 145 F can be used in conventional extrusion and injection moulding machines.

Recommended processing temperatures are 190 – 235 °C.

TECHNICAL DATA SHEET

POLYPROPYLENE TIPPLEN H 145 F

Homopolymer for injection moulding

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

The joint product portfolio of MOL Petrochemicals and Slovnaft provides infinite opportunities

2

STORAGE AND HANDLING

Pellets are packed in 25 kg PE-LD bags and transported on stretch or shrink-wrapped pallets at eligible load of polymer 1375 kg. Heat treated pallets are available as well. We use adhesive between the bags in order to avoid their slipping. Pay attention to this fact during the removing of the bags from the pallets. The preferred method is to lift the bag at first without rotation. Transportation in a road silo or rail silo is also available. For more detailed information please contact SLOVNAFT and MOL Petrochemicals 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. MOL Petrochemicals is committed to fully respect legislation and will only use REACH compliant raw materials. At this point in time 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.

TECHNICAL DATA SHEET

POLYPROPYLENE TIPPLEN H 145 F

Homopolymer for injection moulding

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

The joint product portfolio of MOL Petrochemicals and Slovnaft provides infinite opportunities

MANUFACTURER

MOL Petrochemicals Co. Ltd.

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

Internet: <http://mol.hu/en/polymers/products>

SALES ORGANIZATION

SLOVNAFT, a.s.

Address: Vlčie hrdlo 1
824 12 Bratislava
Slovak Republic

Telephone: +421 2 5859 7515
+421 2 5859 7622
+421 2 5859 7741
+421 2 5859 7231

E-mail: polymersales@slovnaft.sk

MOL Germany GmbH.

Address: Im Trutz Frankfurt 49
D-60322 Frankfurt am Main Germany

Telephone: +49 69 154 04 0

Fax: +49 69 154 04 41

E-mail: polymersales@molgermany.de

TECHNICAL SERVICE

MOL Plc.

Polymer Technical Service MOL

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

Telephone: +36 49 521 540

+36 49 522 607

Fax: +36 49 886 491

E-mail: pts@mol.hu

MOL Plc.

Domestic Polymer Sales MOL

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

Telephone: +36 49 521 355

Fax: +36 49 886 491

E-mail: polymersales@mol.hu

MOL- Austria Handels GmbH.

Address: Walcherstrasse 11A
7. Stock
A-1020 Wien
Austria

Telephone: +43 1 211 20 1120

Fax: +43 1 211 20 1198

E-mail: JHauk@molaustria.at

TECHNICAL DATA SHEET

POLYPROPYLENE TIPPLEN H 145 F

Homopolymer for injection moulding

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

The joint product portfolio of MOL Petrochemicals and Slovnaft provides infinite opportunities

4

TVK Italia S.r.l.

Address: Via Teulié, 1
20136 Milano
Italy
Telephone: +39 02 58 30 5523
Fax: +39 02 58 30 3492
E-mail: tvkitaly@it.tvk.eu

MOL Ukraine LLC.

Address: 04655 Kiev
Moskovskiy ave. 23
7th floor
Ukraine
Telephone: +380 44 374 00 80
Fax: +380 44 374 00 90
E-mail: JZavojko@mol-ukraine.com.ua

TIFON d.o.o.

Address: Savska cesta 41/XIII
HR – 10000 Zagreb
Croatia
Telephone: +385 1 6160 600
Fax: +385 1 6160 601
E-mail: polymersales@tifon.hr

Other European Countries

Telephone: +36 49 521 355
+36 70 458 4563
+36 70 373 9209
Fax: +36 49 886 491
E-mail: polymersales@mol.hu

French Liaison Representative

Address: Paris
France
Telephone: +33 1 64 32 44 17
Mobile Phone: +33 7 89 86 10 64
E-mail: husson.iren@fr.tvk.eu

SLOVNAFT Polska S.A.

PetChem Department
Address: ul. Postępu 17D
02-676 Warszawa
Poland
Telephone: +48 22 545 70 70
Fax: +48 22 545 70 60
E-mail: petchem@slovnaft.pl

SC. MOL Romania P.P. SRL

Address: Str. Danielopolu 4-6
ET2 Sector 1 Cod 014 134
Bucuresti
Romania
Telephone: +40 21 204 85 00
Fax: +40 21 232 10 59
E-mail: petchem@molromania.ro

March 2016