

TWO COLOURS



ONE DIRECTION

Polypropylene
TATREN HF 3 22
Homopolymer for BOPP film

Description

TATREN HF 3 22 is homopolymer intended for processing on high-speed BOPP lines. Thanks its special molecular structure has broad processing window. Produced films have very good stiffness although **TATREN HF 3 22** is very elastic during processing. **TATREN HF 3 22** does not contain nor slip neither antiblocking agent. It is calcium stearate free.

TATREN HF 3 22 is characterised by very stable and uniform melt flow, very good adhesion to outer layers. It does not break during orienting and has excellent optical properties – low haze and high gloss

Applications

TATREN HF 3 22 is intended for production of monolayer and co-extruded bi-axially oriented PP films (BOPPF) for food, flowers and textile packaging. It is suitable also for tobacco industry. Produced BOPP films are metallisable and show excellent mechanical properties. Its additive package and structure make this grade suitable for production of masterbatches for BOPPF, as well as for compounding.

This grade is partially suitable for sheet extrusion and thermoforming applications.

TATREN HF 3 22 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	3
Tensile strength at yield *	ISO 527-1,2	MPa	33
Tensile elongation at yield *	ISO 527-1,2	%	11
Modulus of elasticity in tension *	ISO 527-1,2	MPa	1600
Flexural modulus *	ISO 178	MPa	1500
Izod impact strength (notched, 23 °C) *	ISO 180/1A	kJ/m ²	4.5
HDT (0.46 MPa) *	ISO 75-1,2	°C	98
Rockwell hardness *	ISO 2039/2	R scale	97

* 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

TATREN HF 3 22 can be processed on standard and also high speed BOPP lines. Recommended processing temperatures are 230 – 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 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. 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, catalysts and most additives have been pre-registered. SPC/TVK is committed to fully respect this new legislation and will only use REACH compliant raw materials. At this point in time SPC/TVK polypropylene TATREN/TIPPLEN, do 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.

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