

TECHNICAL DATA SHEET

TIPPLEN H 145 F ENI

Homopolymer fibre type

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

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

DESCRIPTION

TIPPLEN H 145 F ENI 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 ENI 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 gas fading properties.

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

TIPPLEN H 145 F ENI 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	30
Flexural Modulus *	ISO 178	MPa	1800
Modulus of Elasticity in Tension *	ISO 527-1,2	MPa	1750
Tensile Stress 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	3
HDT (0.45 MPa, flatwise) *	ISO 75-1,2	°C	128
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 294-1.

PROCESSING

TIPPLEN H 145 F ENI can be used in conventional extrusion and injection moulding machines. Recommended processing temperature are 190 – 235 °C.

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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

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