

# TECHNICAL DATA SHEET

## TIPELIN HDPEO2

### HDPE

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

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

### DESCRIPTION

**TIPELIN HDPEO2** is a high density unimodal polyethylene homo- or copolymer (with hexene-1 as comonomer). It was produced by mixing of several different first class materials or it is a start-up or shut down material with out of specification regarding burned material contaminations content. It contains chemical additives; the additive content is unknown and not defined. This grade might contain some pollution, which do not cause damage to processing equipments.

MFR and quality parameters within the specification range can show inhomogeneity, so their values can vary even within one lot because of the way of their production method.

### APPLICATIONS

**TIPELIN HDPEO2** recommended for making blow or injection moulded products, protective pipes as well. MOL Petrochemicals does not take responsibility for use of **TIPELIN HDPEO2**.

The composition of **TIPELIN HDPEO2** is not constant, therefore it has neither food nor pharmaceutical approval certificates. Customers are responsible for providing of necessary approvals.

### PROPERTIES

	Test method	Unit	Typical value
Melt Mass-Flow Rate (MFR) (190 °C /2.16 kg)	ISO 1133-1	g/10 min	0.01-1.0
Density (23 °C)	ISO 1183-2	kg/m <sup>3</sup>	930-970

Typical properties, not to be used as specification.

Usually mechanical properties are not measured and guaranteed (unless there is customer demand).

### PROCESSING

**TIPELIN HDPEO2** can be used in conventional extrusion machines.

Recommended processing temperatures are 170 - 190 °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 polyethylene 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 polyethylene 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 TIPELIN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

### SAFETY

See MSDS.

### RECYCLING

Polietilén 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 polyethylene 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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