OFF GRADE TECHNICAL DATASHEET

# POLYETHYLENE TIPELIN HDPEO 21

HDPE off grade

## DESCRIPTION

TIPELIN HDPEO 21 is a high density bimodal polyethylene homo- or copolymer (with butene-1 or propylene 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 some chemical additives; the additive content is unknown and not defined. This grade might contain some pollution, which do not cause damage to processing equipment. 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 HDPEO 21 may applicable for production of films. It is recommended for making blow or injection moulded products, protective pipes as well. MOL Petrochemicals does not take responsibility for use of it.

## PROPERTIES*

| Parameter | Test method | Unit | Specified range |
|---|---|---|---|
| MFR - Melt Mass-Flow Rate (190°C, 2.16 kg) | ISO 1133-1 | g/10 min | 0.01 - 1 |
| MFR - Melt Mass-Flow Rate (190°C, 5 kg) | ISO 1133-1 | g/10 min | 0.01 - 10 |
| MFR - Melt Mass-Flow Rate (190°C, 21.6 kg) | ISO 1133-1 | g/10 min | 1 - 50 |
| Density (23°C) | ISO 1183-2 | kg/m³ | 940 - 970 |
| Recommended Processing Temperature | - | °C | 170 - 220 |

*Mechanical properties are not measured and not guaranteed.

## PROCESSING

TIPELIN HDPEO 21 can be used in conventional extrusion machines.

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## STORAGE AND HANDLING

Pellets are packed in 25 kg polyethylene bags and transported on shrink-wrapped or stretch-wrapped pallets at eligible load of polymer 1375 kg. 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. Heat treated pallets are provided by PRS, a member of the Faber Halbertma Group, operating a pooling system which collects the pallets after use, and organizes reuse as part of a sustainable, circular system. PRS pallets remain property of PRS at all times. Transportation in road silo or rail silo is also available. For more detailed information please contact a sales representative at SLOVNAFT or at MOL Petrochemicals.
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 HDPE TIPELIN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

## RECYCLING

Polyethylene resins are suitable for recycling using modern recycling methods. In-house production waste should be kept clean to facilitate direct recycling.

## SAFETY

See MSDS.

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## MANUFACTURER

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## DISCLAIMER