

# OFF GRADE TECHNICAL DATASHEET

## POLYPROPYLENE TIPPLEN H 023

Polypropylene off grade

### DESCRIPTION

TIPPLEN H 023 is a polypropylene (homopolymer, impact copolymer, random copolymer or a mixture of these) off grade. It is an off grade product mix from product changes during first grade production, logistic line cleaners, laboratory samples and extruder starts. MFR inhomogeneity is very possible in this grade within its MFR specification. It is a mixture of granules containing chemical additives; the additive content is unknown and not defined. This grade might contain some mechanical pollution, which does not cause damage in processing equipment (but it can not contain: metal or wood particles, paper, melt, textile etc.). 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

TIPPLEN H 023 is not constant, therefore it has neither food nor pharmaceutical approval certificates. Customers are responsible for providing of necessary approvals. MOL Petrochemicals does not take responsibility for use of TIPPLEN H 023.

### PROPERTIES\*

Parameter	Test method	Unit	Specified range
MFR - Melt Mass-Flow Rate (230°C, 2.16 kg)	ISO 1133-1	g/10 min	0.1 - 150
Recommended Processing Temperature	-	°C	190 - 240

\*Mechanical properties are not measured and not guaranteed.

### PROCESSING

TIPPLEN H 023 can be used in conventional processing 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 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 PP TIPPLEN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

### **RECYCLING**

Polypropylene 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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