

# TECHNICAL DATA SHEET

## TIPPLEN K 510

### Impact copolymer for injection moulding

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN+

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

#### DESCRIPTION

**TIPPLEN K 510** is a polypropylene impact copolymer transition grade from product changes during first grade production or it includes materials, which are out of specified range of first grades. It contains chemical additives; the additive content is unknown and not defined. This grade does not contain any mechanical pollutions or burnt particles.

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 K 510** is suitable for injection moulding.

The composition of **TIPPLEN K 510** 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) (230 °C /2.16 kg)	ISO 1133-1	g/10 min	3.5 – 5.5

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

#### PROCESSING

**TIPPLEN K 510** can be used in conventional injection moulding machines.

Recommended processing temperatures are 190 – 240 °C.

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2

### 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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4

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