

# TECHNICAL DATASHEET

## POLYPROPYLENE TIPPLEN K 118

Impact copolymer for injection moulding

### DESCRIPTION

TIPPLEN K 118 is a heterophase impact copolymer polypropylene for injection moulding. This product has high melt flow and outstanding processability for shorter cycle times.

### APPLICATIONS

TIPPLEN K 118 is suitable for injection moulding of thin-walled containers, boxes, household and kitchen articles.

TIPPLEN K 118 is not intended for use in medical & pharmaceutical applications.

### PRODUCT COMPLIANCE

See DDS.

### PROPERTIES\*

Parameter	Note	Test method	Unit	Typical value
MFR - Melt Mass-Flow Rate (230°C, 2.16 kg)	-	ISO 1133-1	g/10 min	40
Tensile Stress at Yield	2	ISO 527-1,2	MPa	30
Tensile Strain at Yield	2	ISO 527-1,2	%	6
Modulus of Elasticity in Tension	2	ISO 527-1,2	MPa	1350
Izod Impact Strength (notched, 23°C)	2	ISO 180/A	kJ/m <sup>2</sup>	4
Izod Impact Strength (notched, -20°C)	2	ISO 180/A	kJ/m <sup>2</sup>	2.5
Recommended Processing Temperature	-	-	°C	190 - 240

\*Typical properties, not to be used as specification.

(2) Typical properties measured on standard injection moulded test specimen according to ISO 294-1.

### PROCESSING

TIPPLEN K 118 can be used in conventional injection moulding 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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### TECHNICAL SUPPORT

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