

# TECHNICAL DATA SHEET

## TIPPLEN K 295 A

### 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 295 A** is a reactor impact copolymer polypropylene for injection moulding. This grade contains antistatic and nucleating agent and it offers very good flow and high stiffness.

#### APPLICATIONS

**TIPPLEN K 295 A** is recommended for household articles, thin-walled packaging containers and washing machine parts applications.

**TIPPLEN K 295 A** is suitable for food contact. The product complies with Food Contact Regulations.

#### PROPERTIES

	Test method	Unit	Typical value
MFR (230 °C /2.16 kg)	ISO 1133-1	g/10 min	20
Flexural modulus *	ISO 178	MPa	1600
Modulus of Elasticity in Tension *	ISO 527-1,2	MPa	1550
Tensile Strength at Yield *	ISO 527-1,2	MPa	29
Tensile Strain at Yield *	ISO 527-1,2	%	4
Izod Impact Strength (notched, 23 °C) *	ISO 180/A	kJ/m <sup>2</sup>	9
Izod Impact Strength (notched, -20 °C) *	ISO 180/A	kJ/m <sup>2</sup>	5
HDT (0.45 MPa, flatwise) *	ISO 75-1,2	°C	115
Rockwell Hardness *	ISO 2039/2	R scale	92

Typical properties, not to be used as specification.

\* Average mechanical property values of several measurements carried out on standard injection-moulded test specimens prepared in accordance with ISO 294-1.

#### PROCESSING

**TIPPLEN K 295 A** can be used in conventional injection moulding machines. Recommended processing temperature are 190 – 240 °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 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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