

TWO COLOURS



ONE DIRECTION

Polypropylene

**TIPPLEN H 118**

Homopolymer for injection moulding

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### Description

**TIPPLEN H 118** is a high melt flow homopolymer polypropylene grade for general purpose injection moulding application.

### Applications

**TIPPLEN H 118** is suitable for the production of containers, household articles, cups, closures.

**TIPPLEN H 118** is a CR grade with narrow molecular weight distribution, giving low warpage.

Getting food approval of **TIPPLEN H 118** is under procedure.

### Properties

	Test method	Unit	Value/Tolerance limit	Note
MFR (2.16kg/230°C)	ISO 1133	g/10 min	25 (20-35)	Guaranteed
Yellowness Index	1.3.3.2-02-057	-	max. 2	Guaranteed
Cutting	1.3.3.2-02-060	n	max. 55	Guaranteed
Granulate impurity	1.3.3.2-02-026	n	~ 0	Guaranteed
Ethylene	1.3.3.2-02-007	%	max. 3	Guaranteed
Density *	ISO 1183	g/cm <sup>3</sup>	0.9	Informative
Tensile strength at yield *	ISO 527	N/mm <sup>2</sup>	33	Informative
Elongation at yield *	ISO 527	%	11	Informative
HDT (0.46 N/mm <sup>2</sup> ) *	ISO 75	°C	92	Informative
Rockwell hardness *	ISO 2039/2	R scale	95	Informative
Tensile modulus *	ISO 527	N/mm <sup>2</sup>	1260	Informative
Izod impact strength (notched, 23 °C) *	ISO 180/1A	kJ/m <sup>2</sup>	3.5	Informative

\* Typical properties, not to be used as specifications. Average mechanical property values of several measurements carried out on standard injection moulded specimens (ISO 3167) conditioned at room temperature (ISO 291).

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## Processing

**TIPPLEN H 118** can be used in conventional injection moulding machines. Recommended processing temperature 190 – 240 °C.

## Storage and Handling

Polypropylene resins should be stored in dry conditions at temperatures –20 - +50°C and protected from UV light.

Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of the product.

They should be handled and stored away from contact with direct flames and other ignition sources.

## Safety

See MSDS.

## Recycling

Polypropylene resins are suitable for recycling using modern methods of shredding and cleaning.

In-house production waste should be kept clean to facilitate direct recycling.

## Notes

The information provided in this publication has been compiled to the best of our present knowledge. However, in view of the various applications of polypropylene resins and the equipment used, the processing conditions may differ.

The recommendations and data herein are to be construed as informatory only and do not relieve users from carrying out their own tests and experiments prior to processing in order to check suitability for a specific use. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. Our products are under continuous development, therefore we reserve the right to change the information presented in this brochure at our own discretion.

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