



## POLYPROPYLENE HOMOPOLYMER

Datasheet version: February 2025

## TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Melt Flow Rate (230°C/2.16Kg)	ASTM D1238	g/10 min	55.0 ± 5.0
Density	ASTM 1505	g/cm <sup>3</sup>	0.9
Colour	ASTM E313	Yi	0 max
Tensile Yield Strength (50mm/min)	ASTM D638	MPa	39.5
Yield Elongation (50mm/min)	ASTM D638	%	8
Tensile at break (50mm/min)	ASTM D638	MPa	38
Elongation at break (50mm/min)	ASTM D638	%	13.5
Flexural Modulus at 1.3mm/min (1% sec)	ASTM D790	MPa	1800
Notched Izod Impact Strength at 23°C	ASTM D256-A	J/m	27
Heat Deflection Temperature	ASTM D648	455 kPa	116
		1820 kPa	60

Typical data not to be used as specifications

Polypropylene **HJ45XI** is clarified with the latest generation clarifier, taking advantage of its excellent aesthetics and processing efficiency. This product is a high-clarity PP grade for thin-walled packaging and injection molded containers for food and non-food applications. In addition to the excellent transparency level, this grade allows converters to achieve considerable energy and cost savings by processing the grades at lower temperatures and with shorter cycle times than similar products in the market **HJ45XI** is accompanied with. This grade possesses a high stiffness, which helps to improve top load properties as well as enable down gauging of the final product.

## APPLICATIONS

Injection moulding, TWIM

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