

# TASNEE PP H5020K

# POLYPROPYLENE

## DESCRIPTION

**TASNEE PP H5020K** is a Polypropylene Homopolymer with a Melt Flow Rate (MFR) of 2.0 g/10min.

**TASNEE PP H5020K** is designed for caps and closures. It is particularly formulated to meet the opening torque requirements for screw caps and closures. It combines outstanding balance of high stiffness and improved isotropic dimension stability with good processability and has anti-static protection.

**TASNEE PP H5020K** is suitable for caps and closures produced by extrusion-compression moulding process.

## TYPICAL PROPERTIES

Physical	Method	Unit	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10min	2.0
Melting Temperature	ISO 3146	°C	165
Vicat Softening Temperature (VST/B/50 k/h (50N))	ISO 306	°C	152
Heat Distortion Temperature @ 455 KPa	ISO 75-2	°C	100
Density	ISO 1183	g/cm <sup>3</sup>	0.9

Mechanical	Method	Unit	Values
Tensile Modulus	ISO 527-2	MPa	1800
Tensile Strength @ Yield	ISO 527-2	MPa	35
Tensile Elongation @ Yield	ISO 527-2	%	8.4
Tensile Elongation @ Break	ISO 527-2	%	> 50
Flexural Modulus (1% Secant)	ISO 178	MPa	1500
Charpy (Notched) Impact Strength @ +23 °C	ISO 179/1eA	kJ/m <sup>2</sup>	6.8
Charpy (Notched) Impact Strength @ 0 °C	ISO 179/1eA	kJ/m <sup>2</sup>	1.7
Rockwell Hardness	ISO 2039-1	R	100

## TYPICAL PROCESSING CONDITIONS\*

Extrusion Temperatures : 160 – 190°C

\* Processing parameters should be used only as guidelines.

## **FOOD CONTACT STATUS**

**TASNEE** Polypropylene grade complies with recommendations and statutory regulations in the USA and European Union countries regarding packaging materials intended to come in contact with foodstuff. For more details, please, contact **TASNEE** or our representative in your area.

## **SAFETY**

The Material Safety Data Sheet (MSDS) contains information regarding health, safety and waste considerations for **TASNEE** Polypropylene grade. **TASNEE** urges each customer or recipient of MSDS to study it carefully to become aware of and understand the hazards associated with product. The customer should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention, as necessary or appropriate to use and understand the data contained in the MSDS.

## **STORAGE**

Polypropylene material should be stored in a cool, dry place with adequate ventilation and absence of direct sunlight. Storage under improper conditions may initiate degradation process, adversely influencing processability, properties and visual aspect of transformed articles.

## **DISCLAIMER**

"The information in this publication without prejudice, and is based on our current knowledge and experience and on a limited number of tests".

"In view of the many factors that may affect processing and application, these data do not relieve the receiver of this information from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose of the products made with or on the basis of the information in this publication".

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