

TASNEE PP H1045

POLYPROPYLENE

DESCRIPTION

TASNEE PP H1045 is a Polypropylene Homopolymer with a Melt Flow Rate (MFR) of 4.5 g/10min.

TASNEE PP H1045 is designed for high extrusion speed lines to make stretch tapes, offering low water-carry-over and low shrinkage. Good balance of strength, shrinkage, splitting tendency. It is compliant to food contact regulations. Typical applications are weaving tapes for carpet backing, geo-textiles and industrial and sport fabrics.

TYPICAL PROPERTIES

Physical	Method	Unit	Value
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10min	4.5
Melting Temperature	ISO 3146	°C	163
Vicat Softening Temperature	ISO 306	°C	152
Heat Distortion Temperature @ 455 KPa	ISO 75-2	°C	85
Density	ISO 1183	g/cm ³	0.9

Mechanical	Method	Unit	Value
Tensile Strength @ Yield	ISO 527-2	MPa	34
Tensile Elongation @ Yield	ISO 527-2	%	9
Flexural Modulus (1% Secant)	ISO 178	MPa	1500
Izod Impact Strength (Notched) at 23 °C	ISO 180-1A	J/m	35
Rockwell Hardness	ISO 2039-2	R	100

Typical Processing Conditions*

Extrusion Temperatures	: 200 ~ 260 °C
Water Bath Temperature	: 15 ~ 40 °C
Orientation Temperatures	
Hot plate	: 100 ~ 140 °C
Hot rolls	: 100 ~ 140 °C
Oven air	: 140 ~ 180 °C
Draw Ratio	: 1:6 to 1:8
Annealing Temperature	: 150 ~ 170 °C

* Processing parameters should only be used 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** below 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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