

TECHNICAL DATASHEET

PP H1030



PRODUCT DESCRIPTION

PP H1030 is a Polypropylene Homopolymer with a Melt Flow Rate (MFR) of 3 g/10min.

TRPICAL APPLICATION

PP H1030 is designed for stretch tape from water bath and chill roll, offering low water-carry-over and low shrinkage. Its good mechanical properties and compliance to food contact regulations allow it to be used in various applications. Typical applications for tape made with our polypropylene grade are: carpet backing, cement bags, woven bags, geo-textile, bulk handling & packaging as jumbo bags & ropes.

TYPICAL DATA

Physical	Method	Unit	Value
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10min	3
Melting Temperature	ISO 3146	°C	163
Vicat Softening Temperature	ISO 306	°C	152
Heat Distortion Temperature @ 455 KPa	ISO 75-2	°C	102
Density	ISO 1183	g/cm ³	0.9

Mechanical	Method	Unit	Value
Tensile Strength @ Yield	ISO 527-2	MPa	33
Tensile Elongation @ Yield	ISO 527-2	%	10
Flexural Modulus (1% Secant)	ISO 178	MPa	1450
Izod Impact Strength (Notched) at 23 °C	ISO 180-1A	J/m	32
Rockwell Hardness	ISO 2039-2	R	100

Typical Processing Conditions*

Extrusion Temperatures : 220 ~ 265 °C

Water Bath Temperature : 35 ~ 45 °C

Orientation Temperatures

Hot plate : 100 ~ 140 °C

Hot rolls : 100 ~ 140 °C

Oven air : 140 ~ 160 °C

Draw Ratio : 5 ~ 7