ALMNJAL TRADING EST
PLASTIC RAW MATERIALS
مؤسسة المنجل للتجارة

TECHNICAL DATASHEET

H3030

PRODUCT DESCRIPTION

PP H3030 is a Polypropylene Homopolymer with a Melt Flow Rate (MFR) of 3.0 g/10min.

PP H3030 is designed for Bi-axial Oriented Polypropylene (BOPP) lm applications, oering excellent transparency and gloss, high stiness and excellent processability. PP H3030 is formulated to be used for both general purpose and metallized lms.

TRPICAL APPLICATION

Films produced with PP H3030 are suitable for various printing, lamination and coating processes for food and non-food packaging applications. Food packaging: biscuits, chocolates, confectionaries, chips, baked foods, pasta, snack foods, pet foods etc. Non-food packaging: soaps, detergents, textile bags, self-adhesive tapes, wrap around, self-adhesive labels etc.

TYPICAL DATA

Physical	Method	Unit	Value
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10min	3.0
Melting Temperature	ISO 11357-3	°C	163
Vicat Softening Temperature	ISO 306	°C	154
Heat Distortion Temperature @ 0.45 MPa	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
Charpy Impact Strength (Notched) at 23° C	ISO 179/1eA	KJ/m^2	4.0
Rockwell Hardness	ISO 2039-2	R	100

Typical Processing Conditions	
Extrusion Temperature	200 ~ 250° C
Chill Roll Temperature	20 ~ 40° C
MD Stretching Temperature	130 - 160° C
MD Stretching Ratio	4 ~ 7
TD Stretching Temperature	155 - 170° C
TD Stretching Ratio	7 ~ 10

NOTE Processing parameters should only be used as guidelines. The above properties values are not to be construed as specifications.