POLIMAXX

TECHNICAL DATA SHEET
REV20211102

1120NK

Polypropylene Homopolymer/
High Stiffness and High Clarity Water-Quenched Blown Film

PRODUCT DESCRIPTION

1120NK is a Polypropylene Homopolymer resin for special purpose water-quenched blown film with the characteristic of high clarity and high stiffness balance containing slip and anti-block additve.

TYPICAL APPLICATION

- Food packgaing
- Display bag

PRODUCT FEATURES

- High clarity
- High stiffness
- Excellent properties balance
- Good processibility
- Good open-ability

COMPLIANCE

- FDA US 21 CFR 177.1520
- Commission Regulation (EU) No. 10/2011
- RoHS
- REACH

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Flow Index (2.16 kg/230 ˚C)	ASTM D1238	g/10 min	11
Density	ASTM D792	g/cm^3	0.90
Tensile Strength at Yield	ASTM D638	MPa	33
Elongation at Yield	ASTM D638	%	12
Izod Notched Impact Strength (at 23 ˚C)	ASTM D256	J/m	36
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1250
Rockwell Hardness	ASTM D785	R-Scale	100
Heat Distortion Temperature (0.455 MPa)	ASTM D648	˚C	100
Haze*	ASTM D1003	%	1.0
Gloss (20 ˚)	ASTM D2457	Gloss unit	145

Remark: (*) 40 micron film, cooling water temperature 25 ˚C, was analyzed by IRPC's laboratory from production record.
The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

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PROCESSING TECHNIQUE

Lay flat, clarity and final film thickness depends on machine type and processing condition.

Processing Temperature	: 190 - 220 ˚C
Blow Up Ratio	: 1.5 - 2.0
Cooling Water Temperature	: 18 - 25˚C

*However, the actual processing conditions depend on machine, equipment and other environments.

PRODUCT PACKAGING

- 25 kg loose bag

For further information, contact the IRPC's Sales representative.

STORAGE

Storage at ambient temperature preferably not higher than 38 ˚C (100 ˚F).

- Dry environment with the exclusion of contamination.
- Protection against direct sunlight, radiation and artificial light containing UV-Radiation.
- Protection from ozone-generating electrical devices.
- Under these optimal conditions, the physical properties of resins should remain stable with the exception of the yellowness index which is expected to increase over time.

More information provide in safety data sheet.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.