

POLIMAXX 1120NK

IRPC Public Company Limited - Polypropylene Homopolymer

General Information
Product Description

1120NK is a Polypropylene Homo-polymer resin for water quenched blow film with the characteristic of good process ability, high clarity balance containing slip and anti-block additive. It is specially designed for the production of special purpose film with high clarity. Typical applications are high clarity film bag. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

Typical applications

Film Extrusion : High clarity film bag

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Antiblock	• Slip	
Features	• Antiblocking	• Good Processability	• Homopolymer
	• Food Contact Acceptable	• High Clarity	• Slip
Uses	• Bags	• Food Packaging	
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Blown Film		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4790	psi	ASTM D638
Tensile Elongation (Yield)	36	%	ASTM D638
Flexural Modulus - 1% Secant	174000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	18	ft·lb/in ²	DIN 53453
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	374 to 464	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

