

POLIMAXX 1125NA

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1125NA is a Polypropylene Homo-polymer resin for water quenched blow film and cast film with the characteristic of good process ability, high clarity containing slip and antiblock additive. It is specially designed for the production of general purpose film with high clarity. Typical applications are packaging film, shopping film bag and film for lamination. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information	
Additive	Anti-caking agent slip agent
Features	smoothness Homopolymer Anti-caking property Workability, good Definition, high
Uses	Packaging Films Laminate Bags cast film
Agency Ratings	FDA 21 CFR 177.1520
RoHS Compliance	RoHS compliance
Processing Method	Blow film cast film

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	25	%	ASTM D638
Flexural Modulus - 1% Secant	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.9	kJ/m²	DIN 53453

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 250	°C	
Extrusion instructions			

Cast Film Processing Temperature: 20 to 250°C Blown Film Water Quench Processing Temperature: 180 to 220°C

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