

Moplen HP550J

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP550J is a polypropylene homo-polymer particularly suitable for the extrusion of sheet for thermoforming, film yarn & monofilament. Moplen HP550J combines outstanding process ability with good mechanical properties. Moplen HP550J is designed to produce stiff sheet for high quality thermoforming such as vending cups, packaging for dairy products & trays for fruit, biscuits & chocolates.

Moplen HP550J is also particularly suitable to produce film yarn, with both cast & tubular processes. Textile film yarns with a denier count of not more than 1100 to 1200 are used for the production of carpet backings, bags, industrial fabrics, mats & artificial grass. Film yarn with a denier count ranging from 3000 to 28000 is used for baler twines, packaging twines & ropes. Moplen HP550J is also well suited for the production of monofilament used for instance for brush & broom filling & technical applications. Another typical application of Moplen HP550J is the extrusion of nets for various purposes.

* Moplen HP550J is suitable for food contact.

General Information			
Features	Homopolymer		
	Workability, good		
	Compliance of Food Exposure		
Uses	Twine		
	Cup		
	Bags		
	monofilament		
	Carpet backing		
	Textile applications		
	Thermoformed container		
	Rope		
	Food packaging		
	Web		
	Fiber		
	Line		
	Bracket tray		
	Fabric		
Processing Method	cast film		
	Thermoforming		
	Fiber (spinning) extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	156	°C	ASTM D1525 ¹
NOTE			

1. 压力1 (10N)

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