

Moplen HP550J

Polypropylene Homo-polymer (Fibre)

Description

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.

Application

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.

Typical Data

Properties	Value	Unit	Method
Physical			
Melt Flow Rate (230 °C, 2.16kg)	3.2	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Rockwell Hardness	102	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	156	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012

Above data is based on information provided by Licensor and it is not to be construed as specification.

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