



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

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Polypropylene Moplen HP550J (Fibre)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	3
Flexural Modulus	D790	Mpa	1350
Notched Izod Impact@23°C	D256	J/m	35
Tensile Strength@Yield	D638	Mpa	35
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	156
HDT(0.46N/mm ²)	D648	°C	94
Rockwell Hardness	D785	R.Scale	102
Oven Aging@150°C	D3012	Hours	360

➤ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

[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.