

POLYPROPYLENE

Moplen HP550J (Fibre)

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

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.

Producer: Arak Petrochemical Company