

Moplen HP550J

❖ 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 processability 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.

Typical properties	Test method (ASTM)	Unit	Value
MFR @230 °C, 2.16 kg	D1238/L	gr/10min	3.2
Flexural Modulus	D790	MPa	1550
Notched Izod Impact@23 °C	D256	J/m	55
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.
- ✓ Moplen HP550J is suitable for food contact.

HOMOPOLYMER

