



Producer: Arak Petrochemical Company (ARPC) / Iran

Moplen HP550J (Fibre)

Description:

Moplen HP550J is a polypropylene homopolymer 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 thermoformings 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.

DESCRIPTION OF PROPERTIES	TEST METHOD (ASTM)	UNIT	VALUE
MFR @ 230°C , 2.16 Kg	D-1238/L	gr/10min	3.2
Flexural Modulus	D790	Mpa	1550
Notched Izod Impact @ 23°C	D256	J/m	55
Tensile Strength @ Yield	D-638	Mpa	35
Elongation @ Yield	D-638	%	12
Vicat Softening Point , 10N	D1525	°C	156
HDT (0.46 N/mm ²)	D648	°C	94
Rockwell Hardness	D785	R.Scale	102
Oven Ageing @ 150°C	D3012	Hours	360

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