



NAME: HP550J

Product Description:

" **HP550J**" is a polypropylene homo-polymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines outstanding process ability with good mechanical properties. " **HP550J**" is designed for the production of films that can be converted into stretched tapes for weaving applications. Textile film yarns with a denier count of not more than 1100 to 1200 are used for the production of carped backings, bags, industrial fabrics, mats and artificial grass. Film yarn with a denier count ranging from 3000 to 28000 is used for baler twines, packaging twines and ropes. " **HP550J**" is suitable for food contact.

Extrusion (film yarn, monofilament, sheet)

Good process ability

Applications:

Good mechanical properties Homo-polymer

Stiff sheet for high quality thermoforming such as vending cups, packaging for dairy products and trays for fruit, biscuits and chocolates Film yarn, raffia, tapes, strapping

Carpet backings, bags, industrial fabrics, mats and artificial grass Baler twines, packaging twines and ropes Brush and broom filling and technical applications Nets for various purposes

Food

Typical data: (Table)

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
PHYSICAL			
Melt Flow Index (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