TDS Technical Data Sheet

Final ADHESIVES & SEALANTS

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NAME: HP550J

Product Description:

HP550J is a polypropylene homo-polymer particularly suitable for the extrusion of sheet for thermoforming, film yam 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 yams with a denier count of not more than 1100 to 1200 and are used for the production of carpet backings, bags, industrial fabrics, mats and artificial grass. Film yam 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 yam, monofilament, and sheet) Good process ability, Good mechanical properties

Applications:

Stiff sheet for high quality thermoforming such as vending cups, packaging for dairy products and trays for fruit, biscuits and chocolates, Film yam, raffia, tapes, strapping Carpet backing, bags, industrial fabrics, mats and artificial grass, Baler twines, packaging twines and ropes, Brush and broom filling and technical applications.

Typical data: (Table)

Typical Properties	Value	Unit	Method
Melt Flow Rate (230 °C, 2.16 kg)	3.2	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTMD1505
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
Vicat softening point (ION)	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

This data and information is considered to be correct and offered in good faith as a guide. But we do not warrant or otherwise guarantee the merchantability, fitness for a particular purpose or suitability of this information, products or processes described.