RAYOMAND
Petroleum & Energy Industries

Polypropylene Technical Data Sheet

HP527J

Homopolymer

Description:

HP527J is a medium flow homopolymer with bimodal molecular weight distribution and good clarity intended for production of BOPP films. HP527J provides reliable and consistent processing on BOPP stenter lines, rendering films having high transparency and gloss with a good balance of film properties. Besides the general purpose formulation of additives, this grade contains antistatic, antiblock and slip agents which will best contribute to its final processability and properties. The BOPP films obtained from this grade can be used for high quality packaging and laminates. HP527J is suitable for food contact.

Typical Applications

- High quality packaging for food
- Lamination to other films
- Medical packaging

Features: Medium Flow, Good Transparency and Gloss, Antistatic and antiblock properties, Excellent processability

Suitable for: BOPP Film

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	3	g/10 min	ASTM D1238
Density	0.9	g/cm³	ASTM D1505
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	105	R Scale	ASTM D785
Vicat softening point (10 N)	156	°C	ASTM D1525
H.D.T. (0.46 MPa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	500	h	ASTM D3012

* Typical values; not to be considered as product specification.

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