

# Technical Data Sheet

## Product Description

### FM HPP 525J (Basell license)

FM HPP 525J is a polypropylene homo-polymer designed for biaxially oriented polypropylene films (BOPP). The product is suitable for metallized film, both as monolayer and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, anti-blocking agents and is Calcium Stearate free. FM HPP 525J offers good optical properties, easy processing and a stable film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.

- This grade is suitable for food contact conform EEC regulation

<b>Characteristic</b>	<b>Typical Value</b>	<b>Unit</b>	<b>Test Method</b>
<i>Mass density (23°C)</i>	0.9	g/cm <sup>3</sup>	ISO 1133
<i>MFR (230°C/2.16 kg)</i>	3	g/10min	ISO 1183
<i>Tensile Modulus (1mm/min)</i>	1450	MPa	ISO 527
<i>Tensile Stress@Break (50mm/min)</i>	23	MPa	ISO 527
<i>Tensile Stress@Yield (50mm/min)</i>	34	MPa	ISO 527
<i>Tensile Stress@Break (50mm/min)</i>	>50%	%	ISO 527
<i>Tensile Stress@Yield (50mm/min)</i>	11%	%	ISO 527
<i>Hardness shore D</i>	70	-	ISO 686
<i>H.D.T. B (0.45 MPa) Unannealed</i>	85	°C	ISO 75B
<i>Vicat softening temperature (A50(50°C/h 10N))</i>	156	°C	ISO 306

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated. - ISO test methods are the latest under the society's current procedures. All specimens are prepared by injection-molding.

## *Handling, Health & Safety*

Ensure proper ventilation of the work environment to minimize health and safety hazards from fine particles. Ensure machinery and equipment is properly grounded to prevent sparks that can ignite dust. Molten polymers will cause thermal injuries to organic matter please ensure safety glasses and appropriate safety apparel is worn.

## *Storage Conditions*

Polypropylene products (in pelletized or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet causes a change in the materials properties. The Storage area should be dry and preferably not exceed 50 °C. Under cool, dry, dark conditions polyolefin resins are expected to maintain the original properties for at least 18 month. FM Plastics cannot be held responsible for diminishing qualities due to poor storage conditions, such as; color change, foul smell etc. Generally, it is considered best to process PP resin within 6 months after delivery.

## *Packing*

Polyolefin resins are supplied in pellet form packed in 25kg bags on 1.375 kg pallets.



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