



**HMC Polymers**

*An associate of PTT & LyondellBasell*

# Selection Guide

Raffia & Raffia Coating | Textiles & Fibres | Blown Film (IPP)



# HMC Polymers

## Asia's number ONE in PP



**HMC Polymers is a market leader in the manufacture and marketing of polypropylene for markets in Asia and worldwide.**

HMC Polymers Co., Ltd. was established in 1983 by LyondellBasell predecessor company Himont, Hua Kee, Metro (Srikrung), and Bangkok Bank. Our first polypropylene manufacturing facility was established in Rayong Province, Thailand in 1987. In August 2006, PTT Plc, Thailand's leading energy corporation became a major shareholder.

Since then, we have been active with the expansion and systematic upgrading of our manufacturing and administration facilities to keep the company at global industry best-practice levels for polypropylene production, product performance and marketing.

HMC Polymers' production facilities are located in Map Ta Phut Industrial Estate and Hemaraj Eastern Industrial Estate, Rayong province, Thailand, which are situated 200km south-east of Bangkok.

### **Manufacturing**

Our polypropylene production facilities output over 750,000 metric tons per year and comprise two *Spheripol* lines and the latest technology LyondellBasell *Spherizone* line for the production of polypropylene.

In addition, a strategic investment in upstream integration was made in parallel with the construction

of a Propane Dehydrogenation plant (PDH) at a site adjacent to our Map Ta Phut plant.

HMC Polymers has the most modern technology in Thailand for the production of the full spectrum of polypropylene grades and is one of largest and most advanced integrated facilities in Asia. The company is certified for both ISO 9002 and ISO 14001.

### **Products**

HMC Polymers produces a wide range of *Moplen* polypropylene grades including homopolymer, heterophasic and random copolymer resins, as well as specialty resins such as *Adstif*, *Clyrell* and *Purell*.

Our polypropylene product portfolio has over 50 grades with performance profiles optimised for a diverse range of applications and processes.

### **Logistics**

HMC Polymers delivers to export markets in Asia and around the world, facilitated by the close vicinity of Laem Chabang's world class shipping port which can accommodate deep-sea vessels.

We offer customers a comprehensive global logistics service. HMC Polymers' products are stored, distributed and delivered following state-of-the-art processes to ensure the highest standards and are available in a range of packaging options including 25 kg bags (with or without pallet), jumbo bags, bulk containers or bulk trucks.

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### Raffia and Raffia Coating

HMC Polymers manufactures a wide range of PP resins for Raffia and Raffia Coating applications. Homopolymer PP resins manufactured using the leading *Spheripol* and *Spherizone* processes offer customers a combination of high tenacity, excellent processability and good impact performance. The coating resins provide excellent manufacturing process stability and superior adhesion for high speed coating processes.



Product Name	Product Type	MFR (g/10min)	T.S. (MPa)	Flex Mod. (MPa)	Notched Izod (at 23°C. J/m)	HDT °C	Typical usage
HP400H	HOMO	2.1	33	1450	40	95	Slit tape, straws, rope, TF cups, stationery, sheets
HP6001	HOMO	3.1	35	1600	34	105	High tenacity slit tape, straws
HP400K	HOMO	4.0	33	1400	32	93	Slit tape, straws
HP6011	HOMO	6.0	34	1550	34	102	Good stiffness/impact balance for slit tape, monofilament
EP220R	HECO	23	22	710	40	78	Woven/paper coating and lamination, enhanced adhesion
EP229S	HECO	32	26	1000	16	83	High speed extrusion coating for woven bags

### Textiles & Fibres

HMC Polymers manufactures state-of-the-art spunbond and textile resins suitable for the major textile conversion technologies. HMC Polymers' spunbond resins provide an excellent combination of tenacity, low fume generation and superior gas-fading characteristics suitable to obtain low denier spunbond filaments. Our resins for multifilament applications provide excellent spinability and high drawability for high tenacity yarn.



Product Name	Product Type	MFR (g/10min)	T.S. (MPa)	Flex Mod. (MPa)	Notched Izod (at 23°C. J/m)	HDT °C	Typical usage
HP553R	HOMO	22	34	1500	20	98	Staple fibres and filaments, anti-gas fading
HP561R	HOMO	25	32	1250	24	94	Spunbond nonwovens and filaments with anti-gas fading
HP562T	HOMO	60	34	1390	14	107	Spunbond nonwovens with anti-gas fading

### Water Quenched Blown Film (IPP)

The water quenched blown film resin (IPP) produced by HMC offers customers an excellent combination of superior processability, low gel content, high clarity, excellent slip and coefficient-of-friction (CoF) combined with a superior balance of mechanical properties (stiffness-impact balance). The resin can be converted into high quality films for a broad variety of packaging applications.



Product Name	Product Type	MFR (g/10min)	T.S. (MPa)	Flex Mod. (MPa)	Notched Izod (at 23°C. J/m)	HDT °C	Typical usage
HP525N	HOMO	11	34	1500	26	100	High clarity water quenched blown film

## Asia's number ONE in PP

HMC Polymers is proud to be located in Thailand to serve the Asian and global markets. Our Head Office is in Bangkok and production facilities are located in Map Ta Phut Industrial Estate and Hemaraj Eastern Industrial Estate, Rayong province.

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