

Moplen HP450J

Homopolymer



Product Description

Moplen HP450J is the polypropylene homopolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen HP450J is a homopolymer typically used by customers in Raffia and Yarn applications.

Features Good processability/ Stretchability/ High tenacity

Market Textile, Consumer Products

Application Textile Yarn/ Raffia

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	3.3	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	15500	kg/cm2	ASTM D790
Tensile Strength at Yeild	370	kg/cm2	ASTM D638
Elongation at Yeild	11	%	ASTM D638
Izod Impact Strength (23°C)	4	kgcm/cm	ASTM D256
Rockwell Hardness	110	R-Scale	ASTM D785
Vicat Softening Point	153	°C	ASTM D1525
HDT (0.46 N/mm ²)	104	°C	ASTM D648

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