

Moplen HP653P

Homopolymer



Product Description

Moplen HP653P is the polypropylene homopolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen HP653P is a homopolymer typically used in heavy denier BCF and CF multi-filament. Moplen HP653P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Excellent spinnability/ Excellent drawability/ Better softness & interlacing & coloring/ Anti-gas fading
Market	Textile
Application	Multi-Filament/ CF/ BCF/ Automobile interior part/ Industrial fiber

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	17	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	16000	kg/cm2	ASTM D790
Tensile Strength at Yeild	380	kg/cm2	ASTM D638
Elongation at Yeild	10	%	ASTM D638
Izod Impact Strength (23°C)	3	kgcm/cm	ASTM D256
Rockwell Hardness	105	R-Scale	ASTM D785
Vicat Softening Point	153	°C	ASTM D1525
HDT (0.46 N/mm ²)	106	°C	ASTM D648

1) The above values are typical property values for reference only not be construed as specification limits.

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