

Moplen HP553P

Homopolymer



Product Description

Moplen HP553P is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen HP553P is a homopolymer typically used by customers in high speed production of staple fiber. Moplen HP553P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Excellent spinnability/Excellent drawability/Anti-gas fading
Market	Textile
Application	Staple Fiber for diaper and sanitary napkin/Geotextile/Industrial

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	14	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	15000	kg/cm2	ASTM D790
Tensile Strength at Yeild	380	kg/cm2	ASTM D638
Elongation at Yeild	10	%	ASTM D638
Izod Impact Strength (23°C)	4	kgcm/cm	ASTM D256
Rockwell Hardness	104	R-Scale	ASTM D785
HDT (0.46 N/mm ²)	105	°C	ASTM D648

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

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