

Moplen HP5044

Homopolymer



Product Description

Moplen HP5044 is a polypropylene homo polymer manufactured by PolyMirae Company under the license of Lyondellbasell using the Spheripol process. Moplen HP5044 is a homopolymer with good color stability and selected by customers for use in a base resin of PP Wax or Master-batch. Moplen HP5044 resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Color stability
Market	Automotive/Compounds, Consumer Products
Application	PP Wax / Master-batch base resin

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	12	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	16000	kg/cm2	ASTM D790
Tensile Strength at Yield	350	kg/cm2	ASTM D638
Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (23°C)	3	kgcm/cm	ASTM D256
Rockwell Hardness	104	R-Scale	ASTM D785
Vicat Softening Point	152	°C	ASTM D1525
HDT (0.46 N/mm²)	107	°C	ASTM D648

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

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- iv. lead, asbestos or MTBE related applications.

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