

Moplen HP5035

Homopolymer



Product Description

Moplen HP5035 is the polypropylene homo polymer manufactured by PMC under the license of Lyondellbasell using Spheripol process. This product is designed for LWRT (Low weight reinforced thermoplastic) applications in automotive parts with the benefit of excellent processability and high mechanical properties.

Features	Excellent flowability/ Heat resistance/ Balanced mechanical properties/ Chemical resistance
Market	Automotive/Compounds
Application	LWRT (Low Weight Reinforced Thermoplastic)

ASTM Data			
Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	100	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	14000	kg/cm ²	ASTM D790
Tensile Strength at Yield	330	kg/cm ²	ASTM D638
Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (23°C)	2	kgcm/cm	ASTM D256
Rockwell Hardness	102	R-Scale	ASTM D785
Vicat Softening Point	150	°C	ASTM D1525
HDT (0.46 N/mm ²)	110	°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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- iv. packaging in direct contact with an active pharmaceutical ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
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- vi. electronic cigarettes and similar devices; or
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