

SABIC® PP-UMS FOAM SOLUTIONS

Close collaboration with our partners in the value chain has enabled SABIC to build up a large bank of knowledge on foaming technologies, and to develop a dedicated, diverse global foam portfolio, applicable in almost all industrial applications. SABIC is adding to this portfolio with SABIC® PP-UMS (Ultra Melt Strength) resin – a completely new generation of melt strength polypropylenes.

SABIC® PP-UMS HAS A MELT STRENGTH >65 cN, ENABLING AN UNPRECEDENTED LEVEL OF LIGHTWEIGHTING



TYPICAL AUTOMOTIVE PROPERTIES:

- Applicable in multiple technologies such as Injection Molding, Blow Molding, and Extrusion
- Meets most stringent automotive emissions regulations
- Superior foam-ability



REDUCED EMISSIONS& IMPROVED FUEL ECONOMY



WEIGHT REDUCTION



TOTAL SYSTEM COSTS



REGULATORY COMPLIANCE SAFETY



INCREASED FUNCTIONALITY

TYPICAL PACKAGING PROPERTIES:

- Used to replace materials under regulatory pressure, such as polystyrene especially as a solution for the e-commerce protective packaging market
- Designed for consistency in properties leading to efficient production processes
- Allows for property modification, providing packaging design and cost optimization



REGULATORY COMPLIANCE SAFETY



TOTAL SYSTEM COSTS



INCREASED FUNCTIONALITY



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WEIGHT REDUCTION

SABIC® PP-UMS – THE BUILDING BLOCK OF THE FUTURE



PURE AND CLEAN

Designed for meeting stringent requirements
Lowest VOC - FOG values



THERMAL & MECHANICAL PROPERTIES

Offers wide range of foam properties
Improved compression strength



EFFICIENT PROCESSING

Leading to superior foam-ability
Lower densities possible



UNPRECEDENTED LIGHTWEIGHTING

Allowing for design and cost optimization
High melt strength allows blending with different blend partners

SABIC® PP-UMS PRODUCT PORTFOLIO

GRADES	DENSITY	MFR	ANTIBLOCK AND SLIP	FOAMING PROCESS
SABIC® PP-UMS				
HEX 17112	905	2.5	no	Extrusion