

SABIC® PP-UMS FOAM & LIGHTWEIGHT SOLUTION

MELT STRENGTH > 65cN

SABIC® PP-UMS (Ultra Melt Strength) resin is a new generation of high melt strength, foamable polypropylene.

OUTSTANDING FOAMABILITY

SABIC® PP-UMS is unique in the market.

LIGHTER WEIGHT

POTENTIAL COST OPTIMIZATION

With a melt strength of more than 65 cN leading to outstanding foamability, it is a building block to develop new foaming solutions that can enable a light weighting and potential cost optimization.

A CROSS-INDUSTRY PP FOAM SOLUTION:

AUTOMOTIVE

- Applicable in multiple technologies e.g. Injection Molding, Blow Molding, Extrusion
- Improves fuel efficiency and performance thanks to its lightweight & durability
- Meets most stringent automotive emissions regulations
- High heat stability for secondary process



PACKAGING

- Lightweight solution with excellent moisture, oil and acid resistance
- No regulatory pressures or issues related to its monomer
- Microwaveability due to high heat stability with good thermal insulation



B&C

- Offers low water absorption, heat resistance, dimensional stability and insulation properties
- Helps save energy for our homes, offices and factories
- Structural solutions with lighter, durable properties



CONSUMER

- Very good durable cushioning properties, offering user safety and comfort
- Applicable in multiple applications requiring non-slip performance
- Allows for property modification, providing performance and cost optimization



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KEY FEATURES AND BENEFITS:



PURE AND CLEAN
DESIGNED FOR MOST DEMANDING APPLICATIONS
Low VOC / FOG values, hygienic and safe



THERMAL & MECHANICAL PROPERTIES
OFFERING WIDE RANGE OF FOAM PROPERTIES
Improved thermal resistance & durability



BUILDING BLOCK FOR MULTIPLE BLENDING PARTNERS
ALLOWING FOR DESIGN FREEDOM
Cost and performance optimization



SUPERIOR FOAMABILITY
LEADING TO EFFICIENT PROCESSING
Unprecedented lightweighting

PORTFOLIO:

GRADE	DENSITY (kg/m ³)	MFR (g/10min)	ANTIBLOCK & SLIP	FOAMING PROCESS
561P	905	2.5	no	Extrusion, Injection molding, Blow molding, Compression molding, Roto molding

SABIC® PP-UMS
MELT STRENGTH > 65cN



NEXT GENERATION OF HIGH MELT STRENGTH FOAMABLE PP SOLUTIONS

CONTACT US:

For more information please contact foam@sabic.com

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