

## 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 <sup>3</sup> )	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:

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