

SABIC® PP 86MF97

Polypropylene Impact Copolymer

SABIC

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

SABIC® PP 86MF97 is a grade which is characterised by an optimum combination of stiffness, impact resistance and flow. It is highly UV-stabilised, and therefore commonly used for exterior applications such as car bumpers.

SABIC® PP 86MF97 is a designated automotive grade.

IMDS ID: 80775790

General

Material Status	• Commercial: Active
UL Yellow Card ¹	• E111275-219026
Search for UL Yellow Card	• SABIC • SABIC® PP
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Additive	• Antistatic: No • Nucleating Agent: No • UV Stabilizer
Features	• UV Stabilized
Uses	• Automotive Exterior Parts

Physical	Nominal Value Unit	Test Method
Density	0.905 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.6 g/10 min	ISO 1133
Molding Shrinkage (24 hr)	1.6 %	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1000 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	22.0 MPa	ISO 527-2/1A
Tensile Strain (Yield)	6.0 %	ISO 527-2/1A/50

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	• No Break • No Break	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	ISO 179/1eU
Notched Izod Impact Strength		ISO 180/1A
-20°C	8.0 kJ/m ²	
0°C	30 kJ/m ²	
23°C	No Break	

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	60	ISO 868

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature		
--	62.0 °C	ISO 306/B120
--	143 °C	ISO 306/A120

Notes

¹ A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

² Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

SABIC

Web: <http://www.sabic.com/>

Distributor

AECTRA

Telephone: +33-4-72-54-36-42

Web: <https://www.aectra.fr/>

Availability: France

AGI-Augusto Guimarães & Irmão

Telephone: +351-22753-7400

Web: <https://www.agi.pt/en/>

Availability: Portugal

Distrupol Ltd

Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.

Telephone: 08452003040

Web: <http://www.distrupol.com/>

Availability: Denmark, Finland, Norway, Sweden

Guangzhou Hua Xiu Plastics Co. Ltd

Telephone: +86-20-82582555

Web: <http://www.va-so.cn/>

Availability: Asia Pacific

Guzmán Polymers

Telephone: +34-963-992-400

Web: <https://www.guzmanglobal.com/en/productos/plastics/>

Availability: Italy, Spain, Turkey

Plastoplan

Telephone: +43-1-25040-0

Web: <https://www.plastoplan.com/>

Availability: Czech Republic, Poland, Slovakia

POLYMIX

POLYMIX is a Pan European distribution company. Contact POLYMIX for availability of individual products by country.

Telephone: +33-3-8920-1380

Web: <http://www.polymix.eu/>

Availability: France

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

