

# SABIC® PPcompound 8900P

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 8900P is a mineral filled modified polypropylene. This material combines high flow with a very high stiffness and high impact, as well as a very low shrinkage and CLTE. The high stiffness and low CLTE makes the material suited for high demanding applications. The material is UV stabilized.

SABIC® PPcompound 8900P is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Impact modifier		
	UV stabilizer		
Features	Impact modification		
	Low CLTE		
	Rigidity, high		
	Impact resistance, high		
	Good UV resistance		
	High liquidity		
	Low shrinkage		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	0.60	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20mm, injection molding	24.0	MPa	ISO 527-2/5/50
Fracture, 3.20mm, injection molding	15.0	MPa	ISO 527-2/5/50
Tensile Strain (Break, 3.20 mm, Injection Molded)	50	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	2300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/4A
-20°C, injection molding	3.5	kJ/m <sup>2</sup>	ISO 180/4A
0°C, injection molding	7.0	kJ/m <sup>2</sup>	ISO 180/4A
23°C, injection molding	30	kJ/m <sup>2</sup>	ISO 180/4A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	130	°C	ISO 75-2/B
CLTE - Flow			ASTM D696
-30 to 30°C	4.5E-5	cm/cm/°C	ASTM D696
23 to 80°C	5.5E-5	cm/cm/°C	ASTM D696
NOTE			

1. Method I (three-point load)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

