

# SABIC® PPcompound 7890

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 7890 is a mineral filled modified polypropylene. This material combines a very high flow with a good scratch resistance, low density and a good stiffness. This material has a very broad processing window and good esthical performance. Typical applications include esthetical automotive interior parts such as door panels and interior trim.

SABIC® PPcompound 7890 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Stiffness		
	High Flow		
	Impact Modified		
	Low Density		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Automotive Interior Trim		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage (24 hr)	1.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5/50
Yield, 3.20 mm, Injection Molded	25.0	MPa	
Break, 3.20 mm, Injection Molded	18.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	50	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	7.0	kJ/m <sup>2</sup>	ISO 179/1eA

Charpy Unnotched Impact Strength (-40°C, Injection Molded)	40	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	4.0	kJ/m <sup>2</sup>	
0°C, Injection Molded	5.0	kJ/m <sup>2</sup>	
23°C, Injection Molded	7.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	8.0E-5	cm/cm/°C	
23 to 80°C	1.1E-4	cm/cm/°C	
NOTE			

1. Method I (3 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

