# SABIC® PPcompound 7890A

## Polypropylene

Saudi Basic Industries Corporation (SABIC)

#### Message:

SABIC® PPcompound 7890A is a mineral filled modified polypropylene. This material combines a very high flow with a good scratch resistance, anti static properties, 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 7890A is a designated automotive grade.

Filler / Reinforcement         Mineral           Additive         Impact Modifier           Features         Antistatic           Good Stiffness         High Flow           High Flow         Impact Modified           Low Density         Cover Density           Scratch Resistant         Automotive Interior Parts           Automotive Interior Frim         Automotive Interior Frim           Forms         Pellets           Physical         Nominal Value         Unit         Test Method           Density         960         g/run         150 1183           Melt Mass-Flow Rate (MFR) (230°C/2-16 kg)         25         g/10 min         150 1133           Molding Shrinkage (24 hr)         1.0         % 10 118         150 1183           Molded)         Shore Hardness (Shore D, Injection Molded)         Nominal Value         Unit         Test Method           Shores Hardness (Shore D, Injection Molded)         66         We may be a sea of the polyment of the polym	General Information				
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Tensile Stress  Yield, Injection Molded  Break, Injection Molded  18.0  MPa  Tensile Strain (Break, Injection Molded)  20  Klexural Modulus <sup>1</sup> (Injection Molded)  MPa  MPa  ISO 527-2/1A/50  MPa  ASTM D790  Impact  Charpy Notched Impact Strength (23°C,		66		ISO 868	
Yield, Injection Molded  Break, Injection Molded  18.0  MPa  Tensile Strain (Break, Injection Molded)  20  Klexural Modulus <sup>1</sup> (Injection Molded)  MPa  ASTM D790  Impact  Nominal Value  Unit  Test Method  Charpy Notched Impact Strength (23°C,	Mechanical	Nominal Value	Unit	Test Method	
Break, Injection Molded 18.0 MPa  Tensile Strain (Break, Injection Molded) 20 % ISO 527-2/1A/50  Flexural Modulus <sup>1</sup> (Injection Molded) 1800 MPa ASTM D790  Impact Nominal Value Unit Test Method  Charpy Notched Impact Strength (23°C,	Tensile Stress			ISO 527-2/1A/50	
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Charpy Notched Impact Strength (23°C,	Flexural Modulus <sup>1</sup> (Injection Molded)	1800	MPa	ASTM D790	
	Impact	Nominal Value	Unit	Test Method	
injection worded) 7.0 KJ/III ISO 179/ IEA	Charpy Notched Impact Strength (23°C, Injection Molded)	7.0	kJ/m²	ISO 179/1eA	

Charpy Unnotched Impact Strength (-40°C, Injection Molded)	40	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	4.0	kJ/m²	
0°C, Injection Molded	5.0	kJ/m²	
23°C, Injection Molded	7.0	kJ/m²	
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)		

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## 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

