

# SABIC® PPcompound 7610

Polypropylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® PPcompound 7610 is a mineral filled modified polypropylene. This material combines good flow with a good impact and high stiffness level. The material is UV stabilized and offers a good scratch resistance and a low shrinkage/CLTE. Typical applications include unpainted automotive exterior parts such as lateral siding, rocker panels and bumper strips.

SABIC® PPcompound 7610 is a designated automotive grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
	UV Stabilizer		
Features	Good Flow		
	Good Impact Resistance		
	Good UV Resistance		
	High Stiffness		
	Impact Modified		
	Low CLTE		
	Low Shrinkage		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	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, 3.20 mm, Injection Molded	18.0	MPa	
Break, 3.20 mm, Injection Molded	15.0	MPa	
Tensile Strain (Break, 3.20 mm, Injection Molded)	> 400	%	ISO 527-2/5/50
Flexural Modulus <sup>1</sup> (Injection Molded)	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C, Injection Molded)	No Break		ISO 179/1eA
Charpy Unnotched Impact Strength (-40°C, Injection Molded)	No Break		ISO 179/1eU
Notched Izod Impact Strength			ISO 180/4A
-20°C, Injection Molded	10	kJ/m <sup>2</sup>	
0°C, Injection Molded	No Break		
23°C, Injection Molded	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	120	°C	ISO 306/A
CLTE - Flow			ASTM D696
-30 to 30°C	5.0E-5	cm/cm/°C	
23 to 80°C	7.0E-5	cm/cm/°C	
NOTE			
1.	Method I (3 point load)		

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#### Recommended distributors for this material

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