



## PS Compound

### ADVANTAGE

- High impact resistance
- Reasonable price
- High dimensional stability
- It has a uniform texture in terms of additive distribution and distribution
- Balance and harmony between toughness and hardness
- Increasing producing rate

### APPLICATION

- Household appliances
- Disposable dishes
- Building supplies
- Electronic appliances



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## VIRA PSCC-326 (Black)

PSCC-326 is a general-purpose polystyrene filled with 10% calcium carbonate powder. This grade is designed to be processed in injection molding process.

Property	Typical Value	Test Method
Melt Flow Rate (230 °C/2,16 kg)	17.54g/10min	ASTM D1238
Density	1.13 g/cm <sup>3</sup>	ASTM D792
Tensile Strength at Yield(50mm/min)	25.36 MPa	ASTM D638
Tensile Elongation at Yield(50mm/min)	2.2 %	
Tensile Strength at Break(50mm/min)	24.03 MPa	
Tensile Elongation at Break(50mm/min)	13.71 %	
Flexural Module(13mm/min)	3581.52 MPa	ASTM D790
Flexural Strength (13mm/min at 5% elongation)	65.88 MPa	
Izod Impact Strength, notched	1.74 kJ/m <sup>2</sup>	ASTM D256
ASH content	10%	ASTM D5630

Note: All data are average and are not defined as exact material properties.



## VIRA PSCC-600 (White)

PSCC-600 is a general-purpose white polystyrene filled with 40% calcium carbonate powder. This grade is designed to be processed in injection molding process. It offers optimum mechanical strength and excellent thermal properties.

Property	Typical Value	Test Method
Melt Flow Rate (200 °C/5 kg)	32.42 g/10min	ASTM D1238
Density	1.34 g/cm <sup>3</sup>	ASTM D792
Tensile Strength at Break(50mm/min)	13.81 MPa	ASTM D638
Tensile Elongation at Break(50mm/min)	1.57 %	
Flexural Module(13mm/min)	3743.6 MPa	ASTM D790
Flexural Strength (13mm/min at 5% elongation)	31.34 MPa	
Izod Impact Strength, notched	1.29 kJ/m <sup>2</sup>	ASTM D256
ASH content	40%	ASTM D5630

Note: All data are average and are not defined as exact material properties.



## VIRA PSCC-601 (White)

PSCC-601 is a general-purpose white polystyrene filled with 35% calcium carbonate powder. This grade is designed to be processed in injection molding process. It offers optimum mechanical strength and excellent thermal properties.

Property	Typical Value	Test Method
Melt Flow Rate (200 °C/5 kg)	31.28 g/10min	ASTM D1238
Density	1.32 g/cm <sup>3</sup>	ASTM D792
Tensile Strength at Break(50mm/min)	15.68 MPa	ASTM D638
Tensile Elongation at Break(50mm/min)	1.78 %	
Flexural Module(13mm/min)	3803.6 MPa	ASTM D790
Flexural Strength (13mm/min at 5% elongation)	31.03 MPa	
Izod Impact Strength, notched	1.16 kJ/m <sup>2</sup>	ASTM D256
ASH content	35%	ASTM D5630

Note: All data are average and are not defined as exact material properties.



## VIRA PSCC-602 (Black)

PSCC-602 is a general-purpose black polystyrene filled with 20% calcium carbonate powder. This grade is designed to be processed in injection molding process. It offers optimum mechanical strength and excellent thermal properties.

Property	Typical Value	Test Method
Melt Flow Rate (200 °C/5 kg)	18.2g/10min	ASTM D1238
Density	1.29 g/cm <sup>3</sup>	ASTM D792
Tensile Strength at Yield(50mm/min)	22.55 MPa	ASTM D638
Tensile Elongation at Yield(50mm/min)	2.43 %	
Tensile Strength at Break(50mm/min)	20.25 MPa	
Tensile Elongation at Break(50mm/min)	5.34 %	
Flexural Module(13mm/min)	4015 MPa	ASTM D790
Flexural Strength (13mm/min at 5% elongation)	47.64 MPa	
Izod Impact Strength, notched	1.1 kJ/m <sup>2</sup>	ASTM D256
ASH content	21%	ASTM D5630

Note: All data are average and are not defined as exact material properties.



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