



Polypropylene/Talc Compound (PP/Talc)

ADVANTAGE

- Functional improvement
- Processability improvement
- Price reduction
- Dimension stability
- thermal resistance

APPLICATION

- Automotive industry
- Homeware
- Electrical parts
- Construction industry



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VIRA PPT-346

PPT-346 is a form of polypropylene (PP) which contains 20% talc. The addition of this material improves some of the properties of polypropylene, overcoming key issues faced by the polymers industry with the application of this useful and important polymer.

Property	Typical Value	Test Method
Melt Flow Rate (230 °C/2,16 kg)	21.8 g/10min	ASTM D1238
Density	1.1 g/cm3	ASTM D792
Tensile Strength at Yield(50mm/min)	28.14 MPa	ASTM D638
Tensile Elongation at Yield(50mm/min)	6 %	
Tensile strength at Break(50mm/min)	25.19 MPa	
Tensile Elongation at Break(50mm/min)	11.58 %	
Flexural Module(13mm/min)	2736 MPa	ASTM D790
Flexural Strength (13mm/min at 5% elongation)	56.12 MPa	
Izod Impact Strength, notched (-30°C)	1.29 kJ/m ²	ASTM D256
ASH content	26%	ASTM D5630

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



VIRA PPT-412

PPT-412 is a form of polypropylene (PP) which contains 40% talc. The addition of this material improves some of the properties of polypropylene, overcoming key issues faced by the polymers industry with the application of this useful and important polymer.

Property	Typical Value	Test Method
Melt Flow Rate (230 °C/2,16 kg)	12.58 g/10min	ASTM D1238
Density	1.27 g/cm ³	ASTM D792
Tensile strength at Break(50mm/min)	24.53 MPa	ASTM D638
Tensile Elongation at Break(50mm/min)	5.8 %	
Flexural Module(13mm/min)	3351 MPa	ASTM D790
Flexural Strength (13mm/min at 5% elongation)	43.29 MPa	
Izod Impact Strength, notched (-30°C)	2.59 kJ/m ²	ASTM D256
ASH content	42 %	ASTM D5630

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