



VIRA BIO-1015

Vira-Bio1015 is a sustainable resin derived from a combination of thermoplastic starch (TPS) and polypropylene. It is optimized for use in conventional injection molding processes. This grade delivers superior mechanical strength and high melt stability, making it ideal for diverse applications. Its key benefits include:

- Exceptional mechanical performance
- High melt strength
- Environmentally friendly with biobased content

Property	Typical Value	Test Method
Melt Flow Rate (230 °C/2,16 kg)	47g/10min	ASTM D1238
Density	1.1 g/cm ³	ISO 1183
Tensile Modulus(50mm/min)	25 MPa	ISO 527
Tensile Stress at Break (50mm/min)	22.6 MPa	
Tensile Strain at Yield (50mm/min)	2.3 %	
Charpy Impact Strength, notched	1.6 kJ/m ²	ISO 179

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