

ARBOFILL® 5109 Z

Biopolymer

TECNARO GmbH

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	3	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.3	%	Company Standard

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	990	MPa	ISO 527
Tensile Strength	22	MPa	ISO 527
Yield stress	22	MPa	ISO 527
Yield strain	11	%	ISO 527
Stress at Break	5	MPa	ISO 527
Strain at Break	318	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	30	kJ/m ²	ISO 179/1eA
Shore Hardness D (15s)	62	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	70	°C	ISO 75-1/-2
Vicat softening temperature A	128	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	930	kg/m ³	Company Standard

Characteristics

Delivery form

Pellets

Certifications

Contains renewable resources

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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