

ARBOBLEND® 3110 V

Biopolymer

TECNARO GmbH

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	6	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.7	%	Company Standard
Molding shrinkage, normal	0.7	%	Company Standard

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3100	MPa	ISO 527
Tensile Strength	44	MPa	ISO 527
Yield stress	44	MPa	ISO 527
Yield strain	3	%	ISO 527
Stress at Break	22	MPa	ISO 527
Strain at Break	13	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eU
Type of failure	P	-	-
Shore Hardness A (15s)	99	-	ISO 868
Shore Hardness D (15s)	78	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	54	°C	ISO 75-1/-2
Vicat softening temperature A	115	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1290	kg/m ³	Company Standard

Characteristics

Processing

Injection Molding

Delivery form

Pellets, White

Certifications

Contains renewable resources, Food approval, Food approval 1935/2004/EC, Food approval 10/2011

Disclaimer

Liability Exclusion

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