

PLA-Cordenka[®] 20

Preliminary Data Sheet

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Product Description

Cellulose fiber reinforced polylactide for injection molding.

Property	Test Method	Unit	Typical Value
Density	ISO 1183	g/cm ³	1,30
Fiber Content	-	%	20
Melt Flow Rate, 200°C, 2.16 kg	ISO 1133	g / 10 min	
Tensile Strength	ISO 527	MPa	78
Tensile Modulus	ISO 527	MPa	5.200
Elongation at Break	ISO 527	%	3
Flexural Strength	ISO 178	MPa	120
Flexural Modulus	ISO 178	MPa	5.100
Impact Strength, Charpy unnotched, + 23°C	ISO 179	kJ/m ²	40
Impact Strength, Charpy unnotched, - 30°C	ISO 179	kJ/m ²	35
Impact Strength, Charpy notched, + 23°C	ISO 179	kJ/m ²	9
Impact Strength, Charpy notched, - 30°C	ISO 179	kJ/m ²	7
Heat Deflection Temperature HDT/B <i>After approx. 30 s annealing</i>	ISO 75	° C	60 > 145
Water Absorption, 192 h, H ₂ O	ISO 62 V 1	%	3,0
Water Absorp., 192 h, Air, Std. Climate	ISO 62 V 1	%	0,9
Flammability / Burn Rate	FMVSS 302	mm / min	47
Dielectric Strength	DIN EN 60243-1	V	> 7000

Development type, status 12/2020 Technical data subject to change

CORDENKA[®]
Premium Rayon Reinforcement

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