

Biograde® C 7500

Biodegradable Polymers

FKuR Kunststoff GmbH

Message:

Biograde® C 7500 is a biodegradable polymer (Biodeg Polymers) material. This product is available in Europe, and the processing method is injection molding. Biograde® The main characteristics of C 7500 are: environmental protection/green.

General Information			
Features	Updatable resources		
	Biodegradable		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm³	ISO 1183
Apparent Density	0.76	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	17 - 21	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	15.0 - 18.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress			
Fracture	65.0	MPa	ISO 527-2
--	66.0	MPa	ISO 527
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	2950	MPa	ISO 178
Flexural Stress (3.5% Strain)	70.0	MPa	ISO 178
Tensile Strain at Tensile Strength	13	%	ISO 527
Flexural Strain at Break	No Break	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	110	°C	ISO 306/A
Melting Temperature (DSC)	> 180	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	60.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Regrind	20	%	
Rear Temperature	160	°C	

Middle Temperature	190	°C
Front Temperature	210	°C
Nozzle Temperature	220	°C
Mold Temperature	30.0 - 75.0	°C
Injection Rate	Fast	

Injection instructions

Feeding Zone: 60°C

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Recommended distributors for this material

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