

Biograde® C 6509 CL

Biodegradable Polymers

FKuR Kunststoff GmbH

Message:

Biograde® C 6509 CL is a Biodegradable Polymers (Biodeg Polymers) material. It is available in Europe for injection molding. Primary attribute of Biograde® C 6509 CL: Eco-Friendly/Green.

General Information			
Features	Biodegradable		
	Renewable Resource Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	38 to 42	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	34.0 to 37.5	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress			
Break	62.0	MPa	ISO 527-2
--	62.5	MPa	ISO 527
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	2890	MPa	ISO 178
Flexural Stress (3.5% Strain)	69.0	MPa	ISO 178
Flexural Strain at Break	No Break	%	ISO 178
Tensile Strain at Tensile Strength	13	%	ISO 527
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	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	104	°C	ISO 306/A
Melting Temperature (DSC)	180 to 190	°C	ISO 3146

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Recommended distributors for this material

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