

extrufib® 8020

Polypropylene

Technamation Technical Europe GmbH

Message:

extrufib® 8020 is a Polypropylene material filled with 80% cellulose. It is available in Europe for extrusion or injection molding. Primary attribute of extrufib® 8020: Eco-Friendly/Green.

General Information			
Filler / Reinforcement	Cellulose,80% Filler by Weight		
Features	Renewable Resource Content		
Processing Method	Extrusion Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Apparent Density	0.42	g/cm ³	DIN 53466
Water Absorption			DIN 52184
1 day	1.1	%	
10 day	2.6	%	
Swelling			DIN 52184
1 day	0.10	%	
10 day	0.62	%	
Ultimate Tensile Strength	6.6	%	ISO 527-2
Residual Moisture Content	1.81		DIN 53723

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3790	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	27.0	MPa	
--	27.2	MPa	
Tensile Strain (Break)	3.4	%	ISO 527-2
Flexural Modulus	3460	MPa	ISO 178
Flexural Stress	55.3	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.6	kJ/m ²	ISO 179/eA
Charpy Unnotched Impact Strength	8.3	kJ/m ²	ISO 179/eU

Thermal	Nominal Value	Unit
Melting Temperature	> 160	°C

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Recommended distributors for this material

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