

Trifilon BioLite®303

Natural Fiber Reinforced Polypropylene

CAS NR. PP: 9003-07-0

Product Description

Trifilon BioLite303 is a natural fiber reinforced polypropylene designed for injection molded packaging and other thin-walled applications. Trifilon BioLite303 is formulated for easy processing, short cycle times and good part dimensional stability.

Status:	Commercially available
Applications:	Packaging, Consumer Products
Processing Method:	Injection Molding
Attributes:	Good Stiffness & Impact Resistance, Copolymer, Biocomposite,
Compliant:	REACH, RoHS, Food Contact EU 10/2011, FDA

Physical properties	Values	Units	Method
ISO Data			
Density	1,10	g/cm ³	ISO 1183
Melt flow index, MFI	0,66	g/10 min	ISO 1133
MFI temperature	230	°C	
MFI Load	2,16	kg	

Mechanical properties	Values	Units	Method
ISO Data			
Tensile Modulus	1920	MPa	ISO 527-2
Tensile Stress at Break	33	MPa	
Tensile Strain at Break	5,8	%	
Charpy Impact Strength Notched (20°C)	3,32	kJ/m ²	ISO179/1eU
Charpy Impact Strength Unnotched (20°C)	16	kJ/m ²	

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