

Trifilon BioLite[®]240

Natural Fiber Reinforced Polypropylene

CAS NR. PP: 9003-07-0

Product Description

Trifilon BioLite240 is a natural fiber reinforced homopolymer designed for injection molded packaging applications. Trifilon BioLite240 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

Physical properties	Values	Units	Method
ISO Data			
Density	1,04	g/cm ³	ISO 1133
Melt flow index, MFI	9	g/10 min	ISO 1133
MFI temperature	230	°C	
MFI Load	2,16	kg	

Mechanical properties	Values	Units	Method
ISO Data			
Tensile Modulus	1680	MPa	ISO 527-2
Tensile Stress at Yield	28	MPa	
Tensile Strain at Yield	10	%	
Tensile Stress at Break	27	MPa	
Tensile Strain at Break	13,5	%	
Charpy Impact Strength Notched (20°C)	3,84	kJ/m ²	ISO179/1eU
Charpy Impact Strength Unnotched (20°C)	44	kJ/m ²	

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