

apinat® HMB

Biodegradable Polymers

API SpA

Message:

apinat®HMB is a biodegradable polymer (Biodeg Polymers) product. It is available in Europe. The main features are: environmental protection/green.

General Information			
Features	Biodegradable		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17 - 1.23	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	65		ASTM D2240
Shaw D	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.10 - 17.0	MPa	ASTM D638
Tensile Elongation (Break)	360 - 680	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	33.0 - 80.0	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Injection Rate	Slow-Moderate		
Injection instructions			
Injection Pressure: MediumBack Pressure: Medium/Low			
Extrusion	Nominal Value	Unit	
Melt Temperature	80.0 - 120	°C	
Extrusion instructions			

L/D ratio: 24:1Compression Screw Ratio: 2.3:1Screw Speed: 50 rpm

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