

apinat® DP2343

Biodegradable Polymers

API SpA

Message:

apinat®DP2343 is a biodegradable polymer (Biodeg Polymers) product. It can be processed by extrusion or injection molding and is available in Europe. The main features are: environmental protection/green.

General Information			
Features	Updatable resources		
	Biodegradable		
Appearance	Available colors		
	Natural color		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 - 1.29	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63 - 72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	14.0 - 27.0	MPa	ASTM D638
Tensile Elongation (Break)	10 - 400	%	ASTM D638
Flexural Modulus	550 - 1050	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	58.0 - 100	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	130 - 140	°C	
Middle Temperature	140 - 150	°C	
Front Temperature	140 - 150	°C	
Nozzle Temperature	140 - 155	°C	
Mold Temperature	25.0 - 40.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			
Injection Pressure: MediumBack Pressure: Medium/Low			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	130 - 140	°C	
Cylinder Zone 2 Temp.	140 - 150	°C	
Cylinder Zone 3 Temp.	140 - 150	°C	

Cylinder Zone 4 Temp.	140 - 155	°C
Cylinder Zone 5 Temp.	135 - 145	°C
Extrusion instructions		

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

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