

apinat® DP2267

Biodegradable Polymers

API SpA

Message:

apinat®DP2267 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	1.23 - 1.49	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48 - 68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	27.9 - 34.0	MPa	ASTM D638
Tensile Elongation (Break)	21 - 500	%	ASTM D638
Flexural Modulus	300 - 1250	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	76.0 - 159	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	140 - 160	°C	
Middle Temperature	150 - 160	°C	
Front Temperature	160 - 180	°C	
Nozzle Temperature	170 - 190	°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.	140 - 160	°C	
Cylinder Zone 2 Temp.	150 - 165	°C	
Cylinder Zone 3 Temp.	160 - 185	°C	
Cylinder Zone 4 Temp.	170 - 190	°C	
Cylinder Zone 5 Temp.	165 - 195	°C	
Extrusion instructions			

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

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