

apinat® DP2176

Biodegradable Polymers

API SpA

Message:

apinat®DP2176 is a biodegradable polymer (Biodeg Polymers) product. It is available in Europe. The main features are: environmental protection/green.

General Information			
Features		Updatable resources	
		Biodegradable	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22 - 1.33	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71 - 74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	36.2 - 41.0	MPa	ASTM D638
Tensile Elongation (Break)	10 - 36	%	ASTM D638
Flexural Modulus	1600 - 1780	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	85.0 - 136	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	150 - 160	°C	
Middle Temperature	170 - 180	°C	
Front Temperature	180 - 190	°C	
Nozzle Temperature	190 - 200	°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.	160 - 170	°C	
Cylinder Zone 2 Temp.	170 - 180	°C	
Cylinder Zone 3 Temp.	180 - 190	°C	
Cylinder Zone 4 Temp.	190 - 200	°C	
Cylinder Zone 5 Temp.	185 - 195	°C	
Extrusion instructions			
L/D ratio: 24:1Compression Screw Ratio: 2.3:1Screw Speed: 50 rpm			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT