

# apizero® HLP 200

Ethylene Vinyl Acetate Copolymer

API SpA

## Message:

apizero® HLP 200 is an ethylene vinyl acetate copolymer (EVA) product. It can be processed by injection molding and is available in Europe. Typical application areas are: consumer goods.

Features include:

crosslinkable

Good flexibility

General Information			
Features	Gloss, Medium		
	Crosslinkable		
	Good flexibility		
Uses	Wheels		
	Footwear		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.200	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	37		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2.00	MPa	ASTM D638
Tensile Elongation (Break)	220	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set			ASTM D395
23°C, 24 hr	22	%	ASTM D395
50°C, 6 hr	68	%	ASTM D395
Additional Information			
Abrasion Resistance, DIN 53515, 10 N: 600 mm <sup>3</sup> Abrasion Resistance, DIN 53515, 5 N: 210 mm <sup>3</sup> Heat Stability, API Method, 24 hr, 70°C: 2.0 % ShrinkageHeat Stability, API Method, 40 hr, 70°C: 0.3 % ShrinkageHardness, Asker C, 15 sec: 57Linear Expansion: 1.6			
Injection	Nominal Value	Unit	
Hopper Temperature	90.0 - 100	°C	
Processing (Melt) Temp	90.0 - 105	°C	
Mold Temperature	175 - 185	°C	
Injection Pressure	8.00 - 10.0	MPa	
Back Pressure	0.00 - 2.00	MPa	
Screw L/D Ratio	18.0:1.0 to 20.0:1.0		
Injection instructions			

Injection Speed: 6 to 15 g/secMold in AluminumMax locking pressure: 20 MPaCycle Time: 5 to 7 minFree nozzle (without valve)

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