

Artenius SHAPE

Polyethylene Terephthalate

Artenius

Message:

Artenius SHAPE is a copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. This resin has been specially designed for injection processes. The product offers excellent flow characteristics in the mould. It is suitable for applications where mechanical properties, gloss and transparency are needed. Display profiles for purchasing points, vacuum blood tubes and pharmaceutical test tubes are its main market applications.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Clarity		
	High Flow		
	High Gloss		
Uses	Pharmaceuticals		
	Profiles		
	Tubing		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	> 1.37	g/cm ³	
Apparent Density	0.84	g/cm ³	
Viscosity Number (Reduced Viscosity)	57.0 to 61.0	ml/g	ISO 1628
Color b	-6.50 to -2.50		ASTM D6290
Color L	> 82.0		ASTM D6290
Crystallinity	> 30	%	
Moisture	< 0.20	%	
Weight - of 20 Chips	320.0	mg	
Thermal	Nominal Value	Unit	
Melting Temperature	240 to 250	°C	
Injection	Nominal Value	Unit	
Drying Temperature	155 to 165	°C	
Drying Time	5.0 to 6.0	hr	
Processing (Melt) Temp	270 to 290	°C	

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Recommended distributors for this material

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