

Artenius FLOW

Polyethylene Terephthalate

Artenius

Message:

Artenius FLOW is a copolymer of PET (Polyethylene-Terephthalate) delivered as resin pellets. It is suitable for the stretch blow moulding process in one or two stages as well as for film and sheeting applications through extrusion. It is specially designed for applications in which high toughness and transparency are needed. Recommended for highly carbonated water and soft drinks, household, and cleaning packaging.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Toughness		
	High Clarity		
Uses	Bottles		
	Film		
	Food Packaging		
	Household Goods		
	Packaging		
	Sheet		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Film Extrusion		
	Sheet Extrusion		
	Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	> 1.39	g/cm ³	
Apparent Density	0.84	g/cm ³	
Viscosity Number (Reduced Viscosity)	82.0 to 86.0	ml/g	ISO 1628
Acetaldehyde	< 1.0	ppm	ASTM F2013
Color b	< 1.00		ASTM D6290
Color L	> 85.0		ASTM D6290
Crystallinity	> 48	%	
Moisture	< 0.20	%	
Weight - of 20 Chips	320.0	mg	
Thermal	Nominal Value	Unit	

Melting Temperature	240 to 250	°C
Extrusion	Nominal Value	Unit
Drying Temperature	165 to 175	°C
Drying Time	5.0 to 6.0	hr
Melt Temperature	270 to 290	°C
NOTE		
1.	Crystalline	

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Recommended distributors for this material

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