

Artenius TERMIO

Polyethylene Terephthalate

Artenius

Message:

Artenius TERMIO is a copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. This resin is particularly suitable for use in the manufacture of hot fill/heat set containers. It has a high molecular weight giving it excellent mechanical properties, outstanding appearance and has been specially formulated to give class-leading blow moulding processability due to its unique reheat capabilities.

Artenius TERMIO is appropriate for the packaging of juices, sauces, beers and baby foods, where pasteurization processes are used.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Molecular Weight		
	Pleasing Surface Appearance		
Uses	Bottles		
	Containers		
	Food Packaging		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Forms	Pellets		
Processing Method	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)	84.0 to 88.0	ml/g	ISO 1628
Acetaldehyde	< 1.0	ppm	ASTM F2013
Color b	< 1.00		ASTM D6290
Color L	> 78.0		ASTM D6290
Crystallinity	> 48	%	
Moisture	< 0.20	%	
Weight - of 20 Chips	320.0	mg	
Blow Molding Drying Temperature	165 to 175	°C	
Blow Molding Drying Time	5.0 to 6.0	hr	
Blow Molding Temperature	280 to 290	°C	
Thermal	Nominal Value	Unit	
Melting Temperature	245 to 255	°C	
NOTE			
1.	Crystalline		

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Recommended distributors for this material

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