

Artenius CARE

Polyethylene Terephthalate

Artenius

Message:

Artenius CARE is a copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. This resin has high viscosity and is adequate for technical extrusion and for blow moulding of containers with high volume capacity, for cosmetics and pharmaceutical applications. It is also suitable for extrusion of monofilaments with excellent melt strength.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Melt Strength		
	High Viscosity		
Uses	Containers		
	Cosmetic Packaging		
	Monofilaments		
	Pharmaceutical Packaging		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	> 1.40	g/cm ³	
Apparent Density	0.84	g/cm ³	
Viscosity Number (Reduced Viscosity)	112.0 to 118.0	ml/g	ISO 1628
Acetaldehyde	< 1.0	ppm	ASTM F2013
Color b	< 1.00		ASTM D6290
Color L	> 85.0		ASTM D6290
Crystallinity	> 55	%	
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 180	°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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