

Artenius XCEL M

Polyethylene Terephthalate Glycol Comonomer

Artenius

Message:

Artenius XCEL M is a highly modified copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. Artenius XCEL M belongs to the family of PET products commonly known as "PETG" (PET Glycol modified). It has been specially designed for use in the manufacture of a broad field of applications, such as thermoformed blisters, mono- and multilayer films, sheets, shrinkable films by extrusion process, bottles and containers by extrusion blow moulding, tubing and profiles by continuous extrusion. The material is easy to process, allows deep thermoforming, engraving, easy sealing and printing. It provides excellent gloss, clarity and high melt strength during processing.

General Information			
Features	Copolymer		
	Excellent Printability		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	High Clarity		
	High Gloss		
Uses	Bottles		
	Containers		
	Film		
	Multilayer Film		
	Profiles		
	Sheet		
	Shrink Wrap		
Agency Ratings	Tubing		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Forms	Pellets		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Film Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	

Apparent Density	0.76	g/cm ³	
Viscosity Number (Reduced Viscosity)	78.0 to 82.0	ml/g	ISO 1628
Color b	< 1.00		ASTM D6290
Color L	> 64.0		ASTM D6290
Moisture	< 0.30	%	
Weight - of 20 Chips	320.0	mg	
Extrusion	Nominal Value	Unit	
Drying Temperature	65.0	°C	
Drying Time	6.0 to 8.0	hr	
Melt Temperature	190 to 250	°C	

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Recommended distributors for this material

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