

# Artenius XCEL L

Polyethylene Terephthalate Glycol Comonomer

Artenius

## Message:

Artenius XCEL L is a highly modified copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. Artenius XCEL L belongs to the family of PET products commonly known as "PETG" (PET Glycol modified). It is specially designed for luxury cosmetic packaging, tooth-brushes by injection process, thick wall parts and moulds filler for sophisticate parts, it can also provide good results in the manufacture of profiles by extrusion. Its high fluidity makes the material easy to process and it provides excellent gloss, clarity and good melt strength.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	High Clarity		
	High Flow		
	High Gloss		
Uses	Cosmetic Packaging		
	Profiles		
	Thick-walled Parts		
	Toothbrush Handles		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Forms	Pellets		
Processing Method	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm <sup>3</sup>	
Apparent Density	0.76	g/cm <sup>3</sup>	
Viscosity Number (Reduced Viscosity)	70.0 to 74.0	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	
Injection	Nominal Value	Unit	
Drying Temperature	65.0	°C	

Drying Time	6.0 to 8.0	hr
Processing (Melt) Temp	190 to 250	°C
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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