

Artenius CLEAR+

Polyethylene Terephthalate

Artenius

Message:

Artenius CLEAR+ is a copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. This resin has been specially designed for complex thermoforming with the tailored characteristics of high IV/high melt strength and a very slow rate between crystallization/high clarity and light transmission in very thick wall sections. It is suitable for thick sheet extrusion up to approximately 9 mm in thickness and sealing with high light transmission, excellent brightness and transparency.

General Information	
Features	Copolymer Food Contact Acceptable Good Melt Strength High Clarity High Light Transmission High Viscosity
Uses	Sheet
Agency Ratings	EU 94/62/EC EU No 10/2011
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Sheet Extrusion Thermoforming

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	< 0.00		ASTM D6290
Color L	> 86.0		ASTM D6290
Crystallinity	> 48	%	
Moisture	< 0.20	%	
Weight - of 20 Chips	320.0	mg	
Thermal	Nominal Value	Unit	
Melting Temperature	230 to 240	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	150 to 160	°C	
Drying Time	5.0 to 6.0	hr	

Melt Temperature	260 to 280	°C
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NOTE

1. Crystalline

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Recommended distributors for this material

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