

Artenius DESIGN+

Polyethylene Terephthalate

Artenius

Message:

Artenius DESIGN+ is a copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. This resin has been specially designed for complex thermoforming with 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 a neutral colour tone.

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		
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	> 85.0		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	155 to 165	°C	
Drying Time	5.0 to 6.0	hr	
Melt Temperature	260 to 280	°C	

NOTE

1. Crystalline

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Recommended distributors for this material

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