

# Artenius HOT

Polyethylene Terephthalate

Artenius

## Message:

Artenius HOT is a homopolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. It is recommended for the packaging of products that require a high temperature during cooking, for instance dual ovenable trays for ready meals. It has a high crystallization speed and mechanical strength. Trays made with Artenius HOT plus nucleating additives can resist up to 220°C in conventional ovens and microwaves. This thermal resistance allows trays to be taken directly from the freezer and heated in a microwave oven.

General Information			
Features	Food Contact Acceptable		
	Good Strength		
	Homopolymer		
Uses	Food Packaging		
	High Temperature Applications		
Agency Ratings	EU 94/62/EC		
	EU No 10/2011		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity <sup>1</sup>	> 1.40	g/cm <sup>3</sup>	
Apparent Density	0.84	g/cm <sup>3</sup>	
Viscosity Number (Reduced Viscosity)	94.0 to 98.0	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	
Drying Temperature	165 to 180	°C	
Drying Time	5.0 to 6.0	hr	
Typical Molding Temperature	280 to 290	°C	
Thermal	Nominal Value	Unit	
Melting Temperature	245 to 255	°C	
NOTE			
1.	Crystalline		

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