Artenius UNIQUE G10

Polyethylene Terephthalate

Artenius

Message:

Artenius UNIQUE G10 combines both post-consumer recycled PET and virgin PET resin in every single pellet. The virgin resin base is our Artenius GLOBAL, yet made using 10% clean recycled PET material as feedstock. It make possible to replace conventional non-renewable petrochemical raw materials, saving natural resources and reducing environmental impact.
Artenius UNIQUE G10 is suitable for processing as stretch blow moulding in one and particularly two stage processes, extrusion and film applications. Formulation has been specially developed for the packaging of still or carbonated water, soft drinks, edible oil, food packaging and spirit drinks.
Artenius UNIQUE G10 is produced using a proprietary chemical recycling process. The clean recycled PET is de-polymerized and mixed together with standard virgin PET raw materials, integrating both types of components into the repolymerization process. Decontamination challenge tests prove that our production process results in a resin as pure as 100% virgin resin, even under the strictest conditions. For this reason, Artenius UNIQUE G10 can safely be used for all direct food contact applications.

General Information	
Recycled Content	Yes,10%
Features	Food Contact Acceptable
Uses	Bottles Film Food Packaging
Agency Ratings	EU 94/62/EC EU No 10/2011
Forms	Pellets
Processing Method	Extrusion Film Extrusion Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity [1]	> 1.39	g/cm³	
Apparent Density	0.84	g/cm³	
Viscosity Number (Reduced Viscosity)	80.0 to 84.0	ml/g	ISO 1628
Acetaldehyde	< 1.0	ppm	ASTM F2013
Color b	< 0.00		ASTM D6290
Color L	> 78.0		ASTM D6290
Crystallinity	> 48	%	
Moisture	< 0.20	%	
Weight - of 20 Chips	320.0	mg	
Thermal	**Nominal Value**	**Unit**	
Melting Temperature	240 to 250	°C	
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	165 to 175	°C	

Drying Time	5.0 to 6.0	hr
Melt Temperature	270 to 290	°C

NOTE	
1.	Crystalline

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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