

Plastiverd UNIQUE FF25

May 2014, Version 00

PLASTIVERD UNIQUE FF25 combines both post-consumer recycled PET and virgin PET resin in every single pellet. The virgin resin base is our PLASTIVERD FAST FLOW, yet made using 25% clean recycled PET material as feedstock. It makes it possible to replace conventional non-renewable petrochemical raw materials, saving natural resources and reducing environmental impact. PLASTIVERD UNIQUE FF25 is suitable for processing by stretch blow moulding in one and particularly two stage processes. Its formulation has been specially developed for the packaging of highly carbonated soft drinks due to its excellent mechanical properties.

PLASTIVERD UNIQUE FF25 is produced using a proprietary chemical recycling process. The clean recycled PET is depolymerized 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, PLASTIVERD UNIQUE FF25, can safely be used for all direct food contact applications

SPECIFICATIONS			
Property	Unit	Value	Test Method
Intrinsic Viscosity	dL/gr	0'84 ± 0'02	ISO 1628
Colour L	-	≥ 72	ASTM 6290
Colour b*	-	≤ 1	ASTM 6290
Acetaldehyde	ppm	≤ 1	ASTM F2013

TYPICAL PROPIERTIES			
Property	Unit	Value	Test Method
Specific Density Crystalline	g·cm ⁻³	1'39	-
Crystallinity	%	> 48	-
Moisture	%	< 0'2	-
Bulk Density	Kg·m ⁻³	840	-
Weight of 20 chips	mg	320	-
Melting Point	°C	240-250	-
Typical Moulding Temperature	°C	270-290	-
Drying Conditions - Temperature	°C	165-175	-
Drying Conditions - Time	h	5-6	-

All proper are measured under laboratory conditions by the analytical method shown. Different methods or conditions of analysis may give different values. Purchased material will be accompanied by Certificate or Analysis, with representative average values of specified properties.

Food Contact Statement: PLASTIVERD UNIQUE FF25 complies with the composition of requirements of the Regulation (EC) No 10/2011 and the EU directive on Packaging Waste (94/62/EC) and its amendments. For more information, contact your local PlastiVerd representative.

For queries or further information relating to this statement summary document please contact with Costumer Service

sac@plastiverd.com