

Technical Data Sheet

Manufacturer:

Meltem Chemical and Textile Import, Export, Industry and Trade Limited Company

Product:

MELPET® GS800

Grade:

GS800

Origin:

Adana, Türkiye

Specifications:

Properties	Value	Unit	Test Method
Intrinsic Viscosity	0,800 ± 0,02	dL/g	ASTM D4603
Acetaldehyde	≤ 1,0	ppm	ASTM F2013
Color L*	≥ 89		ASTM D6290
Color b*	≤ 1,0		ASTM D6290
Melting Point	240 ± 10	°C	ASTM D3418
Carboxylic End Group	20 ± 10	Eq/Ton	Titration Method
Bulk Density	0,88 ± 0,05	g/cm3	ASTM D1895
Moisture Content	≤0,2	%	ASTM 6980
Chip Size	1,6 ± 0,2	g/100 chips	Weight Scale
Crystallinity	≥ 30	%	ASTM D3418

Description:

MELPET®GS800 is crystalline, high molecular weight thermoplastic polymer made by continues polymerization process followed by solid-state polymerization.

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

GLOBAL OFFICES**USA**

2106 House Ave, Suite 712,
Cheyenne, Wyoming 82001, USA

SINGAPORE

20 Collyer Quay, #09-01,
Singapore 049319

UAE

Shams Business Center, Al Messaned,
Sharjah, UAE

PAKISTAN

T1 Horizon Tower, Com 2/6, Khayaban
-e-Saadi, Block 3 Clifton, Karachi, Pakistan

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Applications:

MELPET®GS800 is especially formulated bottle grade PET for carbonated drinks. The resin offers good strength characteristics like dimensional stability and mechanical properties, and a low acetaldehyde content. Suitable for carbonated water, alcoholic beverages, pharmaceuticals, oil, agrochemicals, wide mouth containers. It is also suitable for heat set blow molding that are used for warm fill applications.

MELPET®GS800 meets all compliance requirements of FDA CFR 21 Section 177.1630, EU Regulation 10/2011, EC Directive 94/62/EC & the CONEG regulations for heavy metal absence.

Processing Conditions:

MELPET®GS800 has to be dried to moisture content below 30-40 ppm. The drying conditions typically used are 175 °C for 6 hours; the dew point of the drying air should be at least -40 °C

Storage and Handling:

PET resin should be stored in a manner to prevent direct exposure to sunlight and/or heat. The storage area should also be dry with relative humidity below 50% and temperatures preferably don't exceed 50°C. Meltem Chemical and Textile Import, Export, Industry and Trade Limited Company would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PET within 6 months after delivery.

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