

Technical Data Sheet

Manufacturer:
FUHAI (SHANDONG) PACKAGING MATERIALS CO., LTD.
CAS No:
27027-87-8
Product:
Polyethylene terephthalate (PET) resin for bottles
Grade:
FH-8388
IV:
0.80±0.02 dl/g (ASTM D4603)
Specifications:

Property	Unit	Specification	Test Method	Test Equipment
Intrinsic Viscosity	dl/g	0.80±0.02	ASTM D4603	ZVISCO (AVM-4)
Acetaldehyde (AA)	ppm	≤1.0	SH/T 1817-2017	AGILENT (8890A+8697)
Color L	-	≥82	GB/T 17931-2018	HUNTERLAB (AGERA)
Color b	-	≤0	GB/T 17931-2018	HUNTERLAB (AGERA)
Diethylene Glycol (DEG)	%wt	1.3±0.2	GB/T 14190-2017	AGILENT (8890A+7693A)
Carboxyl End Group (-COOH)	m mol/kg	≤35	GB/T 17931-2018	METTLER (T5)
Peak Melting Temperature (DSC)	°C	245±2	GB/T 17931-2018	PE (DSC4000)
Powder	mg/kg	≤100	GB/T 14190-2017	SIEVE MESH (24-MESH)
Moisture Content	%wt	≤0.05	GB/T 14190-2017	SARTORIUS (MA-100)
Ash	%wt	≤0.03	GB/T 17931-2018	SARTORIUS (BCE 224I)
Density	g/cm ³	1.395±0.01	GB/T 17931-2018	METTLER (XSR64A)
Weight Per 100 Chips	g	1.60±0.3	WEIGH	SARTORIUS (BCE 224I)
Crystallinity	%	≥45	GB/T 17931-2018	METTLER (XSR64A)

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

Technical Data Sheet

Appearance:

Milk white plastic resin with uniform size no mechanical impurities and dark spots

Product Information:

Our production of bottle-grade chips using MTR® technology. The Melt-To-Resin (MTR®) process developed by Uhde Inventa-Fischer Polycondensation Technologies. With its extremely gentle process conditions throughout the MTR® technology can boast following outstanding product features:

MTR® granulate is suitable for all applications and is accepted by all major brand owners.

Homogeneous product quality in the spherical MTR® chips and less dust formation leads to uniform, mild drying conditions as well as minimized preform defects.

Reduced degree of crystallinity of MTR® product results in lower heat of fusion and consequently saves up to 10% energy for the drying and extrusion process.

Reduced AA (acetaldehyde) regeneration through the gentle conditions in the preform production process obviates the use of scavengers to meet market requirements.

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