



PCRPT080NN

Recycle Polyethylene Terephthalate

VERDANT PCRPT080NN is an RPET (Recycle Polyethylene Terephthalate) produced from recycled disposable PET bottles with nominal intrinsic viscosity of 0.80 dl/g. This resin is produced in a state-of-the-art continuous polymerization technology and is combined with a strict quality monitoring system in production facilities that are approved by ISO9001, ISO14001 and OHSAS 18001 systems to confirm quality. This product conforms to FDA Regulation 177.1630 and is recyclable.

Resin Property	Typical Value	Units	Test Method
Intrinsic Viscosity	0.78 – 0.82	dl/g	ASTM D-4603
Melting Temperature	244-250	°C	ASTM D-3418
Ash Content	≤ 0.02	%	Supplier Method
Moisture	≤ 0.30	%	Supplier Method
Acetaldehyde	≤ 1.0	ppm	Gas Chromatography
Acid Value	35 ± 10	10-6equ/g	Titration Method
Bulk Density	0.90 ± 0.05	g/cm ³	JIS K-5101
Chip Size	130 ± 5	chips/2g	Weight Scale
Fines	< 100	ppm	Supplier Method
Color	L: 75.2 ± 2.0 b: 0.0 ± 2.0	-	JIS 2-8722

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