



TECHNICAL DATA SHEET (TDS)

FullCycle™ PCR PET SMR6301

100% PCR PET, IV 0.69, for BOPET film, filament, sheets, injection.

DESCRIPTION

FullCycle™ PCR PET SMR6301 is a 100% Post-consumer recycled (PCR) PET resin. It use 100% drinking water PET bottles as the raw materials, and produced by sorting, de-labeling, regrinding, cold wash, hot wash, flakes sorting, melting, extrusion and pelletization. The product complies with GRS (Global Recycled Standard) certification.

PROPERTIES

Item		Typical Value	UoM	Standard
Density		1.39 ~ 1.40	g/m ³	ISO 1183
I.V. (3:2)		0.69	dl/g	ISO 1628-5
Color	L	> 80	/	ASTM D6290
	a	-3 ~ 0	/	
	b	<5	/	
Mesh size		20	μm	NA
Black dots	> 1mm	0	%	Internal
	0.5 ~ 1mm	< 3	%	
	0.2 ~ 0.5mm	< 5	%	
Melting point		250± 5	°C	ASTM D3418
DEG content		1.30	%	GB/T 14190-2017
COOH content		35	mol/t	GB/T 14190-2017
Moisture content		< 0.2	%	GB/T 14190-2017
Ash content		< 0.05	%	GB/T 14190-2017
Metal content		< 5	mg/kg	GB/T 14190-2017
Powder content		< 50	mg/kg	GB/T 14190-2017
Weight/ 100 pellets		1.6	g	Internal

* Data shown above are representative values for reference purposes only, and not to be construed as specifications.

APPLICATIONS

BOPET film

Sheets

Injection

Filament

Industrial yarn

COMPLIANCE

FDA

EU10/2011

REACH (240 SVHC)

RoHS Directive (EU) 2011/65

PRODUCTS FEATURES

High transparency

Stable viscosity

Good color performance

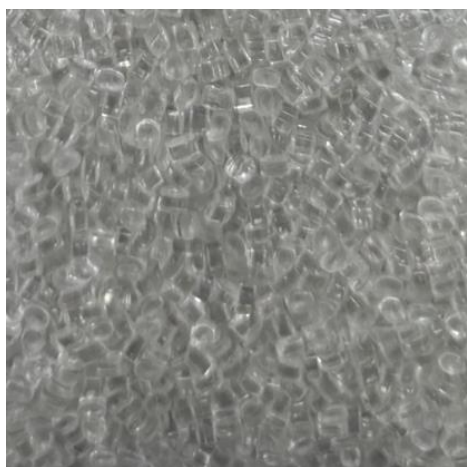
Low impurities

PACKING

Mass production: jumbo bags, 1100KG/bag or 1000KG/bag.

Trial samples: 25kg/bag.

PICTURE



PROCESS CONDITIONS

FullCycle™ PCR PET SMR6301 needs to be dried thoroughly before use.

STORAGE

FullCycle™ PCR PET SMR6301 should be stored in room temperature with dry condition. Improper storage can cause the resins degradation and quality issues of the final products. For more details, please refer to the MSDS or contact your sales representative.

DISCLAIMERS

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ADDRESS

Shanghai Smart New Materials Co., Ltd

19B, No. 985 Dongfang Road, Pudong District, Shanghai, 200122

Tel.: +86 21 6314 9892

Email: info@sumai99.com

Website: www.sumai99.com