

Technical Data Sheet

Food Grade PCR PET Regranulate Transparent

Product Code: 000614



Description

PCR PET 00014 is a 100% PCR (post-consumer recycled) polyethylene terephthalate (rPET) material with an I.V. 0.60, it's designed for PET films, injection parts, and compounding applications.

PCR PET 00014 is made from 100% drinking water bottles, these products are manufactured through high quality recycling process, consist of hot washing, melt filtration, pelletization, etc., complying with GRS (Global Recycled Standard).

Applications

PET films	Injection parts
Compounding applications.	

Certification

FDA	Reach(224 SVHC)
RoHS Directive(EU)2011/65	GRS

Physical Properties	Value	Units	Test Method	Note
Inherent Viscosity (IV,3:2)	0.61±0.02	dl/g	ISO1628-5	
Melting Temperature	255	°C	GB 14190	
L Value	>70	/	GB 14190	
a Value	-2 to 0	/		
b Value	<3	/		
Chrystalinity	>30	%		

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Powder Content	<10	mg/kg	GB 14190	
COOH Content	<50	mol/t	GB 14190	
DEG Content	1.3	%	GB 14190	
Iron Content	<0.5	mg/kg	GB 14190	
Ash Content	<0.05	%	GB 14190	
Moisture Content	<0.5	%	GB 14190	
Heavy Metals(Rohs)	Cd N.D Hg N.D Pb N.D Cr N.D			

Typical Processing Information

1. Pellets need to be dried at 170 °C for 5 hours before use.
2. Make sure to adjust the molding parameters according to your machine, mold and other product requirements.

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