

Technical Datasheet

Product: Antibacterial PET Masterbatch

Grade: C1PET-ABM

Product Description:

C1PET-ABM is an antibacterial polyethylene terephthalate masterbatch with good antibacterial properties and an excellent dispersion.

Appearance:

Host Polymer	PET
Appearance	Granules
Color	Natural
Dispersion	Excellent

Physical Properties:

Properties	Unit	Value	Standard
Intrinsic Viscosity	dl/g	641	ISO 1628-5
Water Content	wt%	≤0.3	ASTM D6869-3
Melting Point	255±3	°C	ASTM D3418-3

Antimicrobial Properties:

Properties	Type of Microorganism	R (Antimicrobial Activity)*	Standard
Antibacterial Performance	E.coli (ATCC : 25922)	2<	Iso 22196
Antibacterial Performance	S.aureus (ATCC : 25923)	2<	Iso 22196
Antifungal Performance	C.albicans (ATCC : 10231)	2<	Iso 22196

* Antimicrobial activity above 2 is desirable.

Dosage :Using very low percentages of these materials (between 2-3% by weight) in the process of the plastic will result in the creation of genuine and complete antibacterial components and structures.

Note: The information provided in this data sheet is based on our present state of knowledge and is estimated by Payesh C-One Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C-One Polymer Co. make no warranty and liability in connection with any use of this information.