

Datasheet

Deltacom PET 1917-EC3

Polyethylene - Terephthalate, electrical conductive

General properties

• Density	ISO 1183	g/cm ³	1,27
• Bulk density	ISO 60-1977	g/dm ³	n. b.
• Water absorption 23°C	*	%	< 0,50
• Moisture	**	%	n. t.
• Shrinkage	DIN 53464	%	n. t.

Mechanical properties

• E-Modulus	ISO 527	N/mm ²	1000
• Tensile strength	ISO 527	N/mm ²	>= 20,0
• Strain at tensile strength	ISO 527	%	>= 5,0
• Strain at rupture	ISO 527	%	>= 7,0
• Charpy impact strength (un-notched)	ISO 179	KJ/m ²	no break
• Charpy impact strength (notched)	ISO 179	KJ/m ²	>= 2,0
• Shore A/ D	DIN 53505		n. t.

Thermal properties

• HDT A/ B	ISO 75	°C	n. t.
• Vicat Softening temp. VST A/ B	ISO 306	°C	n. t.

Electrical properties

• Surface resistivity	***	Ohm	<= 10E2
• Spez. volume resistivity	***	Ohm x cm	<= 10E2

Packaging:

Will be delivered as lenses- or cylinder granules with a length of app. 3 mm in polyethylene bags á 25 kg, aluminium foil coated bags á 25 kg, octabins or big bags á 1.000 kg, or in road tanker.

Processing: Injection moulding

• Cylinder temperature:	240 - 260°C
• Mould temperature	40 - 50°C
• Storage:	Drying is recommended

Application:

Electrical conductive storage- or transport systems, e.g.: modular packaging systems, platen, trays, container.

*-** internal Standard, *** according to IEC 61340, Notice: n. t. = not tested

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Notice

These data are based on average values measured on dry injection-molded test plates. Individual measurements may thus vary depending upon processing conditions.

A legal binding guarantee of the above mentioned properties or the applicability for a concrete use or for a special application can not be given. Possible industrial property rights as well as existing laws and provisions have to be considered by the consignee of this product himself.