



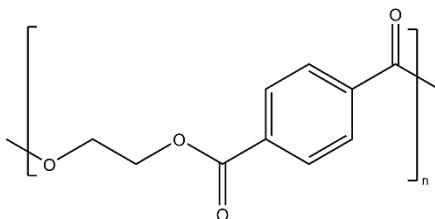
Technical Data Sheet

MATERIAL:	Poly(ethylene terephthalate)
CATALOG NUMBER:	418
CAS NUMBER:	25038-59-9
DESCRIPTION:	Ethylene glycol/terephthalic acid polyester
FORMULA:	$(C_{10}H_8O_4)_x$

TYPICAL PROPERTIES:

Appearance:	Flakes
Density:	1.385
Refractive index:	n_D^{25} 1.5750
Inherent viscosity:	0.7
Glass transition temp:	81°C
Melting point:	250-265°C
Solubility:	DMSO (hot), HFIP, nitrobenzene, phenol

GENERAL INFORMATION: Polyester prepared by the condensation of ethylene glycol and terephthalic acid. Polyethylene terephthalate has been used in a variety of applications including clothing, electrical insulation, magnetic tape, food packaging, bottles, and various photographic film applications.

STRUCTURE:

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