



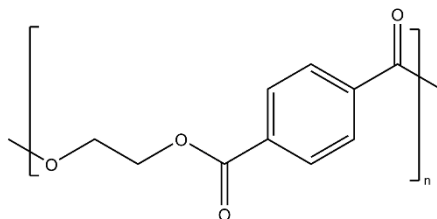
## Technical Data Sheet

<b>MATERIAL:</b>	Poly(ethylene terephthalate)
<b>CATALOG NUMBER:</b>	138
<b>CAS NUMBER:</b>	25038-59-9
<b>DESCRIPTION:</b>	Ethylene glycol/terephthalic acid polyester
<b>FORMULA:</b>	$(C_{10}H_8O_4)_x$

**TYPICAL PROPERTIES:**

Appearance:	Pellets
Density:	1.385
Refractive index:	$n_D^{25}$ 1.5750
Inherent viscosity:	0.58
Glass transition temp:	81°C
Melting point:	252°C
Solubility:	DMSO (hot), HFIP, nitrobenzene, phenol

<b>GENERAL INFORMATION:</b>	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.
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**STRUCTURE:**

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