

ASPIRE™ T80

Polyethylene Terephthalate (PET) Copolymer Resin

ASPIRE™ T80 is a non-fast reheat PET copolymer resin. It is cobalt free used in injection stretch blow moulding for still mineral water containers.

Other applications include thermoformable sheet extrusion used in food packaging containers as well as industrial strap extrusion.

Properties

- Excellent process ability
- Superb clarity and gloss
- Low Acetaldehyde

Typical Applications

- Bottles for still mineral water
- Thermoformed food packaging

PROPERTIES ⁽¹⁾	VALUE	UNIT	TEST METHOD
General			
Intrinsic Viscosity	0.80	dl/g	ASTM D4603 ⁽²⁾
Acetaldehyde	≤ 1.0	ppm	ASTM F2013 ⁽³⁾
Moisture	≤ 2000	ppm	Internal Test Method
Thermal			
Melting Point	254	°C	ASTM D3418
Crystallinity	≥ 40	%	ASTM D3418
Optical			
L* Colour	> 80	~	ASTM D6290
b* Colour	< 0.5	~	ASTM D6290

(1) Typical values; not to be construed as specification limits.

(2) Dichloroacetic acid 1% solution.

(3) Helium gas carrier

Typical processing conditions	Injection Stretch Blow Moulding
Drying Temperature (°C)	160 - 180
Drying Time (hrs) *	4 - 6
Processing Temperature (°C)	280 ±10

* Preferably in a drier with a dehumidifier set at -40°C

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