

## Technical Datasheet TG 645

### 1) Product Description:

Polyethylene Terephthalate fiber grade chips (normal viscous) is formed in the plant within five consecutive process stages. The stages are esterification, prepolycondensation and polycondensations.

### 2) Applications:

- Staple fiber
- Textile filament
- Spunbond
- Meltblown nonwovens

### 3) Typical data:

Property	Test method	Unit	value
Intrinsic Viscosity	UBBELHODE	dl/gr	0.64 ± 0.01
DEG content	GC	%Wt	1.4 ± 0.4
Color(CIE LAB)	Spectroscopy	L-value	≥ 90
	Spectroscopy	b- value	≤ 4.5
Carboxyl End Groups	Auto Titration	mmol/kg	≤ 32
Water content	Karl-Fisher	%wt	≤ 0.25
Melting Point	DSC	°C	255±2
Titanium Dioxide	Spectroscopy	%wt	0.034+0.06
Chip Weight	-	g/100EA	2.2 ± 0.1

\* Typical values not to be construed as specifications.

