



Persian Gulf Petrochemical Industries Co  
Shahid Tondgooyan Petrochemical Co

**S.T.P.C**

## TECHNICAL SPECIFICATION

<b>Product</b>	<i>Poly Ethylene Terephthalate (Semi Dull)</i>
<b>Grade</b>	PARS PET-TG621 (Textile Grade)

### REFERENCE PROPERTIES

Item	Unit	Specification	Method
<i>Intrinsic Viscosity</i>	<i>dl/g</i>	$0.62 \pm 0.015$	<b>ISO 1628-5</b> in combination with NVPET05
<i>DEG Content</i>	<i>wt%</i>	<b>0.9 - 1.3</b>	<b>ASTM E2409-4</b> in combination with WN-B010-9008E
<i>Color (CIE Lab)</i>	<i>L*</i>	$\geq 90$	<b>ASTM D6290-5</b> in combination with WN-B010-7110E
	<i>b*</i>	$\leq 4.5$	
<i>Carboxyl End Group</i>	<i>meq / Kg</i>	$\leq 32$	<b>ASTM D7409-7</b> in combination with WN-B010-7013E
<i>Melting Point</i>	$^{\circ}\text{C}$	$255 \pm 3$	<b>ASTM D3418-3</b> in combination with WN-B010-7089E
<i>TiO2 Content</i>	<i>wt%</i>	$0.3 \pm 0.05$	<b>WN-B010-7061E</b>
<i>Water Content</i>	<i>wt%</i>	$\leq 0.3$	<b>ASTM D6869-3</b> in combination with WN-B010-7159E
<i>Chips Weight</i>	<i>g/100EA</i>	$2.5 \pm 0.1$	----

Note: 1) Water Content determined before packing.  
2) Color Determined after Crystallization & grinding.



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