

## Rynite® GW525CS NC010

Technical DataSheet | Supplied by DuPont

Rynite® GW525CS NC010 by DuPont is a flame retardant, color stabilized, modified polyethylene terephthalate (PET) grade reinforced with 25% glass fiber. Exhibits reduced outgassing at elevated temperatures. Rynite® GW525CS NC010 is suitable for processing by injection molding.

<b>Product Type</b>	Polyester > PET
<b>CAS Number</b>	25038-59-9
<b>Physical Form</b>	Pellets
<b>Appearance</b>	Natural
<b>Product Status</b>	AVAILABILITY NOT CONFIRMED
<b>Applications/ Recommended for</b>	Injection molding - thermoplastics
<b>Key Features</b>	Flame retarded Filled, Glass Fiber Color stability, Good

## Rynite® GW525CS NC010 Properties

Mechanical	Value & Unit	Test Condition	Test Method
<b>Tensile Strength at Break</b>	165 MPa	At 23°C	ISO 527-2
<b>Tensile Strain</b>	2.0 %	at Break, 23°C	ISO 527-2
<b>Impact Strength, Notched Charpy</b>	10 kJ/m <sup>2</sup>	23°C	ISO 179/1eA
<b>Tensile Modulus</b>	11000 MPa	23°C	ISO 527-2
<b>Impact Strength, Unnotched Charpy</b>	38 kJ/m <sup>2</sup>	23°C	ISO 179/1eU

<b>Impact Strength, Notched Izod</b>	9.0 kJ/m <sup>2</sup>	23°C	ISO 180/1A
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<b>Thermal</b>	Value & Unit	Test Condition	Test Method
<b>Heat Deflection Temperature (HDT), Unannealed</b>	235 °C	At 264 psi (1.8 MPa)	ISO 75-2/A

<b>Melting Point</b>	250 °C		ISO 11357-3
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<b>Other</b>	Value & Unit	Test Condition	Test Method
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<b>Snake Flow</b>	202 mm	90 MPa, 5 x 1 mm	
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<b>Snake Flow</b>	14.0 mm	90 MPa, 5 x 0.3 mm	
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<b>Snake Flow</b>	57.0 mm	90 MPa, 5 x 0.5 mm	
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<b>Snake Flow</b>	126 mm	90 MPa, 5 x 0.75 mm	
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<b>Physical</b>	Value & Unit	Test Condition	Test Method
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<b>Density</b>	1.65 g/cm <sup>3</sup>		ISO 1183
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## Rynite® GW525CS NC010 Processing Guidelines

<b>Injection Molding</b>	Value & Unit	Test Condition	Test Method
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<b>Drying Temperature</b>	120 °C		
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**Processing (Melt) Temperature**      270 - 290 °C

**Melt Temperature (Aim)**      280 °C

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