# **TAIRIREX® GP525N**

General Purpose Polystyrene

## Formosa Chemicals & Fibre Corporation



Technical Data

Commercial: Active			
<ul><li>Processing (English)</li><li>Technical Datasheet (English)</li></ul>			
• E162823-319285			
<ul> <li>Formosa Chemicals &amp; Fibre Corporation</li> <li>TAIRIREX®</li> </ul>			
Asia Pacific	<ul> <li>Europe</li> </ul>	North	America
General Purpose			
• EC 1907/2006 (REACH)			
RoHS Compliant			
• E162823			
Injection Molding			
Nominal Value (I	English)	Nominal Value (SI)	Test Method
(g) 7.0 g	/10 min	7.0 g/10 min	ASTM D1238 ISO 1133
Nominal Value (I	English)	Nominal Value (SI)	Test Method
440000 p	si	3040 MPa	ASTM D638 ISO 527-2
5800 p	si	40.0 MPa	ASTM D638 ISO 527-2
2.0 %	6	2.0 %	ASTM D638 ISO 527-2
483000 p	si	3330 MPa	ASTM D790 ISO 178
11300 p	si	78.0 MPa	ASTM D790 ISO 178
Nominal Value (	English)	Nominal Value (SI)	Test Method
0.32 ft	·lb/in	17 J/m	ASTM D256 ISO 180
Nominal Value (I	English)	Nominal Value (SI)	Test Method
			ASTM D648
(3.18 189°	F	87.0 °C	ISO 75-2/A
		94.0 °C	ASTM D1525 ISO 306
	English)	Nominal Value (SI)	Test Method
HB		HB	UL 94
< 700 p	pm	< 700 ppm	
	Processing (English) Technical Datasheet (English) Technical Datasheet (English) Tachnical Datasheet (English) Formosa Chemicals & Fibral TalRIREX® Asia Pacific General Purpose EC 1907/2006 (REACH) RoHS Compliant E162823 Injection Molding  Nominal Value (Index of the state of	<ul> <li>Processing (English)</li> <li>Technical Datasheet (English)</li> <li>E162823-319285</li> <li>Formosa Chemicals &amp; Fibre Corporation</li> <li>TAIRIREX®</li> <li>Asia Pacific</li> <li>Europe</li> <li>General Purpose</li> <li>EC 1907/2006 (REACH)</li> <li>ROHS Compliant</li> <li>E162823</li> <li>Injection Molding</li> <li>Nominal Value (English)</li> <li>Addition of the process of the pro</li></ul>	<ul> <li>Processing (English)</li> <li>Technical Datasheet (English)</li> <li>E162823-319285</li> <li>Formosa Chemicals &amp; Fibre Corporation</li> <li>TAIRIREX®</li> <li>Asia Pacific</li> <li>Europe</li> <li>North Andrew (English)</li> <li>RoHS Compliant</li> <li>E162823</li> <li>Injection Molding</li> <li>Nominal Value (English)</li> <li>Nominal Value (SI)</li> <li>A40000 psi</li> <li>A00 MPa</li> <li>5800 psi</li> <li>40.0 MPa</li> <li>2.0 %</li> <li>483000 psi</li> <li>A00 MPa</li> <li>Nominal Value (English)</li> <li>Nominal Value (SI)</li> <li>A8300 psi</li> <li>A930 MPa</li> <li>A940 MPa</li> <li>Nominal Value (English)</li> <li>Nominal Value (SI)</li> <li>A970 C</li> <li>Nominal Value (English)</li> <li>Nominal Value (SI)</li> <li>HB</li> <li>HB</li> <li>Nominal Value (SI)</li> <li>Nominal Value (SI)</li> </ul>

Nominal Value (English) Nominal Value (SI) Injection **Drying Temperature** 167°F **Drying Time** 1.0 to 2.0 hr 1.0 to 2.0 hr Hopper Temperature 104 °F 40 °C 356 °F 180 °C Rear Temperature Middle Temperature 383 to 401 °F 195 to 205 °C



Form No. TDS-128701-en

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Injection	Nominal Value (English)	Nominal Value (SI)
Front Temperature	392 °F	200 °C
Processing (Melt) Temp	338 to 419 °F	170 to 215 °C
Mold Temperature	68 to 158 °F	20 to 70 °C

#### **Notes**

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

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<sup>&</sup>lt;sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>&</sup>lt;sup>3</sup> Typical properties: these are not to be construed as specifications.

<sup>4 80°</sup>C/2hr