TAIRIREX® GP525N

General Purpose Polystyrene Formosa Chemicals & Fibre Corporation



Technical Data

Commercial: Active		
Processing (English)Technical Datasheet (English)		
• E162823-319285		
 Formosa Chemicals & Fibre Corporation TAIRIREX® 		
Asia Pacific Europe	North A	merica
General Purpose		/
• EC 1907/2006 (REACH)		
RoHS Compliant		
• E162823		
Injection Molding		
Nominal Value (English)	Nominal Value (SI)	Test Method
kg) 7.0 g/10 min	7.0 g/10 min	ASTM D1238 ISO 1133
Nominal Value (English)	Nominal Value (SI)	Test Method
440000 psi	3040 MPa	ASTM D638 ISO 527-2
5800 psi	40.0 MPa	ASTM D638 ISO 527-2
2.0 %	2.0 %	ASTM D638 ISO 527-2
483000 psi	3330 MPa	ASTM D790 ISO 178
11300 psi	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 (English)	Nominal Value (SI)	Test Method
(3.18 189 °F	87.0 °C	ASTM D648 ISO 75-2/A
201 °F	94.0 °C	ASTM D1525 ISO 306
Nominal Value (English)	Nominal Value (SI)	Test Method
HB	HB	UL 94
< 700 ppm	< 700 ppm	
Nominal Value (English)	Nominal Value (SI)	
167 °F	75 °C	
1.0 to 2.0 hr	1.0 to 2.0 hr	
383 to 401 °F	195 to 205 °C	
	 Processing (English) Technical Datasheet (English) E162823-319285 Formosa Chemicals & Fibre Corporation TAIRIREX® Asia Pacific • Europe General Purpose EC 1907/2006 (REACH) RoHS Compliant E162823 Injection Molding Nominal Value (English) kg) 7.0 g/10 min Nominal Value (English) kg) 7.0 g/10 min Nominal Value (English) 440000 psi 5800 psi 2.0 % 483000 psi 11300 psi Nominal Value (English) 483000 psi 2.0 % 483000 psi 2.0 % 483000 psi 11300 psi Nominal Value (English) (3.18 189 °F 201 °F Nominal Value (English) HB Nominal Value (English) HB Nominal Value (English) 4700 ppm 	 Processing (English) Technical Datasheet (English) E162823-319285 Formosa Chemicals & Fibre Corporation TARREX® Asia Pacific Europe Noth A General Purpose EC 1907/2006 (REACH) ROHS Compliant E162823 Injection Molding Nominal Value (English) Nominal Value (SI) 440000 psi 3040 MPa 5800 psi 40.0 MPa 2.0 % 2.0 % 2.0 % 2.0 % 2.0 % 3330 MPa 11300 psi 78.0 MPa 11300 psi 78.0 MPa 0.32 ft·lb/in 17 J/m Nominal Value (English) Nominal Value (SI) (3.18 189 °F 87.0 °C 201 °F 94.0 °C Nominal Value (English) Nominal Value (SI) Kannal Value (SI)<

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General Purpose Polystyrene Formosa Chemicals & Fibre Corporation

PROSPECTOR®

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

¹ 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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³ Typical properties: these are not to be construed as specifications.

⁴ 80°C/2hr



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