

Starglas FX05032

Polyethylene
Eurostar Engineering Plastics

Message:

Starglas FX05032 is Polyethylene Resin with a Proprietary Additive (foaming agent for polyolefins).

General Information			
Additive	Proprietary		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.4	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Break)	18.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.0	%	ISO 527-2/5
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	32.0	MPa	
-- ⁴	27.0	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁵ (23°C)	2.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	5.0	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁷ (1.8 MPa, Unannealed, 64.0 mm Span)	62.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	195 to 205	°C	
Middle Temperature	210 to 220	°C	
Front Temperature	220 to 230	°C	
Processing (Melt) Temp	230	°C	
Mold Temperature	40.0 to 55.0	°C	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	Yield		
4.	Break		

5.	80*10*4
6.	80*10*4
7.	80*10*4

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