

Starpylen MX05038

Thermoplastic Elastomer
Eurostar Engineering Plastics

Message:

Starpylen MX05038 is a TPEX Injection Molding Resin

General Information			
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	16.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	4.3	%	ISO 527-2/5
Flexural Modulus ¹	1500	MPa	ISO 178
Flexural Stress	28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	110	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	96.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	58.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.1E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.4E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	195 to 205	°C	
Middle Temperature	215 to 225	°C	
Front Temperature	240 to 250	°C	
Processing (Melt) Temp	225 to 250	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4		

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Recommended distributors for this material

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