

Torelina® A310MX04

Polyphenylene Sulfide

Toray Resin Company

Message:

Torelina® A310MX04 is a Polyphenylene Sulfide (PPS) product filled with 65% glass\mineral. It is available in Asia Pacific, Europe, or North America.
Primary characteristic: flame rated.

General Information			
UL YellowCard	E41797-322316		
Filler / Reinforcement	Glass\Mineral,65% Filler by Weight		
Appearance	Black		
	Natural Color		
Part Marking Code	>PPS-GF+MD65<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.97	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	0.60	%	
Flow : 3.00 mm ²	0.20	%	
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	130	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.80	%	ISO 527-2
Flexural Modulus (23°C)	22000	MPa	ISO 178
Flexural Stress (23°C)	210	MPa	ISO 178
Shear Strength (23°C)	60.0	MPa	JIS K7214
Coefficient of Friction ³	0.30		
Taber Abrasion Resistance (1000 Cycles)	70.0	mg	ISO 9352
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Melting Temperature	278	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.7E-5	cm/cm/°C	
Transverse	2.4E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant ⁴ (23°C, 1 MHz)	5.10		IEC 60250
Dissipation Factor ⁵ (23°C, 1 MHz)	2.0E-3		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.360 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Bar Flow Length ⁶ (320°C, 1.00 mm)	105	mm	Internal Method
NOTE			
1.	80x80x3		
2.	80x80x3mm		
3.	vs. Metal		
4.	60% RH		
5.	60% RH		
6.	98 MPa		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

