TORELINA® A390M65

(PPS+PPE)-(GF+MD)65 — Toray Industries, Inc.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**105**	MPa	ISO 527
Strain at break	**0.9**	%	ISO 527
Flexural modulus, 23°C	**19500**	MPa	ISO 178
Charpy impact strength, +23°C	**17**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R 122**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**278**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**260**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**19**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**25**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.7**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	**5.3**	-	IEC 62631-2-1
Dissipation factor, 1MHz	**20**	E-4	IEC 62631-2-1
Volume resistivity	**>1E13**	Ohm*m	IEC 62631-3-1
Electric strength	**21**	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	**1990**	kg/m³	ISO 1183

Characteristics

Delivery form

Black

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa