

Technical Data Sheet



Torelina A310 MX04

65% Glass/Mineral Filled PPS

Property			Unit	Test method (ASTM)	A310MX04	
Specific Gravity			-	D792	1.96	
Water Absorption (24 hrs. in 23°C)			%	D570	0.02	
Mechanical	Tensile Strength		23°C	MPa	D638	150
	Elongation		23°C	%	D638	2.3
	Flexural Strength		23°C	MPa	D790	195
	Flexural Modulus		23°C	GPa	D790	18.9
	Shear Strength		23°C	MPa	D732	60
	Izod Impact	V-notched	23°C	J/m	D256	120
		Unnotched	23°C	KJ/m ²		20
	Rockwell Hardness			R scale	D785	123
	Taber Abrasion			mg/1000 times	D1044	70
	Coefficient of friction		vs. steel	-	D1894	0.30
	Limit PV value			KJ/m ² .hr	TORAY	815
Thermal	Melting Point		°C	DSC	278	
	HDT		1.82MPa	°C	D648	>260
	Linear Thermal Expansion	Machine direction	X10 ⁻⁵ /K	D696	1.6	
		Transverse direction			2.4	
	Flammability			-	UL94	V-0
Electrical	Volume resistivity		Ω.m	D257	10 ¹⁴	
	Dielectric strength		MV/m	D149	20	
	Dielectric constant		10 Hz	-	D150	5.1
	Dissipation factor		10 Hz	-	D150	0.002
Mouldability	Mould shrinkage (3mm)	Machine direction	%	TORAY	0.15	
		Transversedirection			0.55	
	Minimum injection pressure (3.2mm thick)			MPa.G	TORAY	4.2
Bar flow (320°C, 98Mpa, 1mm thick)			x10 ⁻³ m	Toray	105	

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products. Prospective users should determine the suitability of materials before adopting them on a commercial scale.

Features

- Excellent thermal stability
- Excellent dimensional stability
- Excellent chemical resistance
- UL 94 v0
- High Stiffness / High Strength