

PA46-unfilled
Heat Stabilized, Wear and Friction Modified

Properties	Typical Data	Unit	Test Method
RHEOLOGICAL PROPERTIES			
	dry / cond		
Molding shrinkage (parallel)	2 / *	%	ISO 294-4
Molding shrinkage (normal)	2 / *	%	ISO 294-4
MECHANICAL PROPERTIES			
	dry / cond		
Tensile modulus	2900 / 1000	MPa	ISO 527-1/-2
Yield stress	90 / 50	MPa	ISO 527-1/-2
Nominal strain at break	25 / >50	%	ISO 527-1/-2
Flexural modulus	2600 / 900	MPa	ISO 178
Charpy notched impact strength (+23°C)	5 / 30	kJ/m ²	ISO 179/1eA
Izod notched impact strength (23°C)	5 / 30	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	190 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.85 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.1 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Thermal Index 5000 hrs	152	°C	IEC 60216/ISO 527-1/-2
ELECTRICAL PROPERTIES			
	dry / cond		
Volume resistivity	1E12 / 1E7	Ohm*m	IEC 60093
Comparative tracking index	400 / 400	-	IEC 60112
OTHER PROPERTIES			
	dry / cond		
Humidity absorption	3.2 / *	%	Sim. to ISO 62
Density	1250 / -	kg/m ³	ISO 1183

06.04.2007

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