

LNP* Konduit* Compound MT00E

Americas: COMMERCIAL

Also known as: MT-210-14
Product Reorder Name: MT00E

LNP KONDUIT* MT00E is a compound based on Polypropylene resin containing Proprietary Thermal Filler. Added features of this material include: Thermally Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	22	MPa	ASTM D 638
Tensile Strain, break	1	%	ASTM D 638
Tensile Modulus, 50 mm/min	90750	MPa	ASTM D 638
Flexural Stress	44	MPa	ASTM D 790
Tensile Stress, break	22	MPa	ISO 527
Tensile Strain, break	0.9	%	ISO 527
Tensile Modulus, 1 mm/min	8650	MPa	ISO 527
Flexural Stress	44	MPa	ISO 178
Flexural Modulus	8160	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	74	J/m	ASTM D 4812
Izod Impact, notched, 23°C	10	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
Thermal Conductivity	1.1	W/m-°C	ASTM E 1530
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	137	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	103	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.952	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.9	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.95	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.74	%	ISO 294
Wear Factor Washer	1131	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.43	-	ASTM D 3702 Modified
Static COF	0.48	-	ASTM D 3702 Modified
Density	1.94	g/cm ³	ISO 1183

Source GMD, last updated:10/04/2004

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	210 - 225	°C

Front - Zone 3 Temperature	215 - 225	°C
Middle - Zone 2 Temperature	205 - 215	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	25 - 50	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:10/04/2004

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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