

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0055	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	3500	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus, 23°C	5000	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Charpy impact strength, +23°C	24	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	18	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	2	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 111	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	3400	MPa	ASTM D 638
Tensile Strength at Yield	59	MPa	ASTM D 638
Tensile Strength at Break	59	MPa	ASTM D 638
Elongation at Break	2.1	%	ASTM D 638
Flexural Modulus	4900	MPa	ASTM D 790
Flexural Strength	74	MPa	ASTM D 790
Rockwell Hardness	R 111	-	ASTM D 785
Izod Impact unnotched, 1/8 in	280	J/m	ASTM D 256
Izod Impact unnotched, 1/4 in	210	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	195	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	195	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1710	kg/m <sup>3</sup>	ISO 1183
Density	1710	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-

**INFINO TK-2050LP**

PCT-GF

Lotte Chemical Corporation

Mold temperature	<b>50 - 60</b>	°C	-
Zone 1	<b>290 - 300</b>	°C	-
Zone 2	<b>300</b>	°C	-
Zone 3	<b>305 - 310</b>	°C	-
Nozzle temperature	<b>305 - 310</b>	°C	-

**Characteristics****Processing**

Other Extrusion

**Applications**

Electrical and Electronical

**Delivery form**

Pellets, Natural Color

**Regional Availability**

North America, Europe, Asia Pacific