

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	32	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0	%	ISO 294-4, 2577
Molding shrinkage, normal	0	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	4.8	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6290	MPa	ISO 527
Stress at break	105	MPa	ISO 527
Strain at break	2.4	%	ISO 527
Flexural modulus, 23°C	5890	MPa	ISO 178
Flexural strength	145	MPa	ISO 178
Charpy notched impact strength, +23°C	9.7 ^[1]	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.7 ^[1]	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	9.4 ^[1]	kJ/m ²	ISO 180/1A
Izod notched impact strength	6.4 ^[1]	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Modulus	6249	MPa	ASTM D 638
Tensile Strength at Break	105	MPa	ASTM D 638
Elongation at Break	2.7	%	ASTM D 638
Flexural Modulus	5589	MPa	ASTM D 790
Flexural Strength	144	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	89.3	J/m	ASTM D 256
Izod Impact notched, 1/4 in	72.6	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	46.1	J/m	ASTM D 256
Temperature	-30	°C	-

1: 4 mm

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	94	°C	ISO 75-1/-2
Vicat softening temperature, B	94	°C	ISO 306
Coeff. of linear therm. expansion, parallel	47	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	76	E-6/K	ISO 11359-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	47	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	76	E-6/K	ASTM D 696
DTUL @ 66 psi	98	°C	ASTM D 648
DTUL @ 264 psi	88	°C	ASTM D 648
Vicat Temperature	94	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2

LUPOY EU5201FS

(PC+ASA)

LG Chem

ASTM Data

Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Surface Resistivity	1E15	Ohm	ASTM D 257
Volume Resistivity	1E17	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1320	kg/m ³	ISO 1183
Density	1320	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 85	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.04	%	-
Melt temperature	235 - 265	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	220 - 250	°C	-
Zone 2	235 - 255	°C	-
Zone 3	235 - 255	°C	-
Nozzle temperature	230 - 255	°C	-

Characteristics**Processing**

Injection Molding

Applications

General Purpose

Special Characteristics

Flame retardant, Halogen-free, U.V. stabilized or stable to weather

Regional Availability

North America, Europe, Asia Pacific, South and Central America