LUMILOY GN4356FH

PPO-(GF+MX)35 LG Chem

Product Texts

mPPO

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**37**	g/10min	ASTM D 1238
Temperature	**280**	°C	-
Load	**5**	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	**83.4**	MPa	ASTM D 638
Elongation at Yield	**2**	%	ASTM D 638
Flexural Modulus	**8829**	MPa	ASTM D 790
Flexural Strength	**127**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**39.2**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**2.5**	mm	-
Burning behav. 5V at thickness h	**5VA**	class	IEC 60695-11-20
Thickness tested	**2.0**	mm	-
ASTM Data			
UL 94 Flame rating	**V-1**	-	UL 94
Thickness tested	**1.2**	mm	-
DTUL @ 264 psi	**107**[1]	°C	ASTM D 648

1: 6.4 mm

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E16**	Ohm	IEC 62631-3-2
ASTM Data			
Volume Resistivity	**1E16**	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1390**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**90 - 100**	°C	-
Pre-drying - Time	**4 - 6**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**260 - 290**	°C	-
Mold temperature	**40 - 100**	°C	-
Zone 1	**260 - 280**	°C	-
Zone 2	**260 - 290**	°C	-
Zone 3	**260 - 290**	°C	-
Nozzle temperature	**260 - 290**	°C	-
Screw speed	**40 - 70**	rpm	-
Back pressure	**1 - 4**	MPa	-

Characteristics

Processing

Injection Molding

Applications

Electrical and Electronical

Special Characteristics
Flame retardant, Halogen-free

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

Features
Low Warpage