

Product Texts

mPPE

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	45.1	MPa	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2845	MPa	ASTM D 790
Flexural Strength	88.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	49	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	80 ⁽¹⁾	°C	ASTM D 648

1: 6.4 mm

Other properties

	Value	Unit	Test Standard
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	60 - 70	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	230 - 270	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	230 - 250	°C	-
Zone 2	240 - 270	°C	-
Zone 3	240 - 270	°C	-
Nozzle temperature	230 - 260	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Applications

Electrical and Electronical, General Purpose

Regional Availability

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