

**Product Texts**

mPPE

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	280	°C	-
Load	5	kg	-

**Mechanical properties**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	118	MPa	ASTM D 638
Elongation at Break	1.5	%	ASTM D 638
Flexural Modulus	6082	MPa	ASTM D 790
Flexural Strength	157	MPa	ASTM D 790
Izod Impact notched, 1/8 in	78.5	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	491	J/m	ASTM D 256

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 264 psi	132 <sup>[1]</sup>	°C	ASTM D 648
1: 6.4 mm			

**Other properties**

	Value	Unit	Test Standard
Density	1240	kg/m <sup>3</sup>	ASTM D 792

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	5 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	280 - 320	°C	-
Mold temperature	60 - 110	°C	-
Zone 1	270 - 310	°C	-
Zone 2	270 - 310	°C	-
Zone 3	270 - 310	°C	-
Nozzle temperature	265 - 305	°C	-

**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