

Product Texts

mPPO

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	59.8	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	2551	MPa	ASTM D 790
Flexural Strength	108	MPa	ASTM D 790
Izod Impact notched, 1/8 in	108	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi 1: 6.4 mm	100 ^[1]	°C	ASTM D 648

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	70 - 90	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	250 - 280	°C	-
Mold temperature	40 - 90	°C	-
Zone 1	240 - 270	°C	-
Zone 2	250 - 280	°C	-
Zone 3	250 - 280	°C	-
Nozzle temperature	250 - 290	°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