

EMI 2161

PEI-MEF(x)10

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3723	MPa	ASTM D 638
Tensile Strength	109	MPa	ASTM D 638
Elongation at Break	9	%	ASTM D 638
Flexural Modulus	3999	MPa	ASTM D 790
Flexural Strength	152	MPa	ASTM D 790
Izod Impact notched, 1/8 in	42.7	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 66 psi	207	°C	ASTM D 648
DTUL @ 264 psi	199	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257
Volume Resistivity	10	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1390	kg/m ³	ASTM D 792
Moisture Content	0.04	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Melt temperature	354 - 399	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	82.7 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Features

EMI Attenuation/Shielding

Special Characteristics

Increased electrical conductivity

Regional Availability

North America, Europe, Asia Pacific