

**RTP 1407 Z**

PESU-GF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.001</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>12410</b>	MPa	ASTM D 638
Tensile Strength	<b>159</b>	MPa	ASTM D 638
Compressive Strength	<b>152</b>	MPa	ASTM D 695
Flexural Modulus	<b>11720</b>	MPa	ASTM D 790
Flexural Strength	<b>221</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 123</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>96.1</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.59</b>	mm	-
DTUL @ 66 psi	<b>224</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>221</b>	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dissipation Factor, 1 MHz	<b>0.007</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>4.3</b>	-	ASTM D 150
Arc Resistance	<b>80</b>	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.3</b>	%	ASTM D 570
Density	<b>1680</b>	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	<b>0.04</b>	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>149</b>	°C	-
Pre-drying - Time	<b>6</b>	h	-
Melt temperature	<b>343 - 377</b>	°C	-
Mold temperature	<b>135 - 177</b>	°C	-
Injection pressure	<b>68.9 - 103</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Certifications**

Food contact, Food approval FDA 21 CFR