

ESD A 1305

PPS-GF

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	13100	MPa	ASTM D 638
Tensile Strength	86.2	MPa	ASTM D 638
Flexural Modulus	12070	MPa	ASTM D 790
Flexural Strength	117	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	9.9E11	Ohm	ASTM D 257
Volume Resistivity	9.9E9	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1640	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	6	h	-
Melt temperature	307 - 329	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Anti-static