

Edgetek™ XP9242701

PPS-(GF+CF)40

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	258	MPa	ASTM D 638
Flexural Modulus	18000	MPa	ASTM D 790
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	265	°C	ASTM D 648
Electrical properties			
ASTM Data			
Surface Resistivity	1E9	Ohm	ASTM D 257
Other properties			
Density	1650	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	130 - 150	°C	-
Pre-drying - Time	4 - 6	h	-
Mold temperature	120 - 150	°C	-
Zone 1	270 - 280	°C	-
Zone 2	290 - 330	°C	-
Zone 3	290 - 330	°C	-
Nozzle temperature	280 - 320	°C	-
Screw speed	80 - 120	rpm	-
Injection pressure	70 - 100	MPa	-
Back pressure	1 - 2.5	MPa	-
Holding pressure	50 - 80	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Delivery form

Pellets