

**PPSG40-02NC**

PPS-GF40

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	8600	MPa	ASTM D 638
Tensile Strength	110	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	7800	MPa	ASTM D 790
Flexural Strength	175	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	78.5	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	275	°C	ASTM D 648
DTUL @ 264 psi	260	°C	ASTM D 648
Melting Temperature	280	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Electric strength	28	kV/mm	IEC 60243-1
Comparative tracking index	225	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.04	%	ASTM D 570
Density	1650	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant

**Features**

Low Warpage, Thermal Stability

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Asia Pacific