

PPSG65-01BK

PPS-GF65

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.002	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	18000	MPa	ASTM D 638
Tensile Strength	110	MPa	ASTM D 638
Elongation at Break	1.5	%	ASTM D 638
Flexural Strength	205	MPa	ASTM D 790
Modulus at 100% Elongation	17500	MPa	ASTM D 412
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	88.3	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	280	°C	ASTM D 648
DTUL @ 264 psi	270	°C	ASTM D 648
Melting Temperature	285	°C	ASTM D 3418
Electrical properties			
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Electric strength	22	kV/mm	IEC 60243-1
Comparative tracking index	225	-	IEC 60112
Other properties			
Water Absorption, 24hr	0.02	%	ASTM D 570
Water Absorption, Equilibrium	4.2	%	ASTM D 570
Density	1950	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant

Features

Thermal Stability

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical, Medical

Regional Availability

Asia Pacific