

**Karilen-P X 5440 GFC2**

PP-GF40

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	13	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	8700	MPa	ISO 527
Tensile Strength	87	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Surface resistivity	14	Ohm	DIN 53482
Electric strength	0.12	kV/mm	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1240	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Mold temperature	30 - 70	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	200 - 230	°C	-
Zone 2	200 - 230	°C	-
Zone 3	200 - 250	°C	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Black

**Additives**

Release agent

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Features**

Homopolymer

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa