

PlusTek PA341G9BK11

PA66-GF45

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11500	MPa	ISO 527
Tensile Strength	160	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus, 23°C	11400	MPa	ISO 178
Flexural strength	245	MPa	ISO 178
Charpy impact strength, -30°C	78	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, -30°C	13.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	21	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, Low-Temperature	16.5	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	4.5	%	Sim. to ISO 62
Humidity absorption	1.5	%	Sim. to ISO 62
Density	1460	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.15	%	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	260 - 280	°C	-
Zone 2	260 - 280	°C	-
Zone 3	270 - 290	°C	-

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Delivery form

Black

Applications

Automotive

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

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