

PlusTek PAT300R8BK

PA*-CF40

Polyram

Product Texts

AROMATIC POLYAMIDE

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	27300	MPa	ISO 527
Tensile Strength	245	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	25000	MPa	ISO 178
Flexural strength	360	MPa	ISO 178
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	6.5	kJ/m ²	ISO 180/1A
	-30	°C	-

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	96	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	110	°C	ISO 75-1/-2

Electrical properties

	Value	Unit	Test Standard
Other Standards^{S1}			
Volume resistivity	1	Ohm*m	Producer Method
Surface resistivity	1000	Ohm	DIN 53482

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

Other properties

	Value	Unit	Test Standard
Density	1310	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.1	%	-
Mold temperature	80 - 140	°C	-
Feed temperature	60 - 70	°C	-
Zone 1	280 - 300	°C	-
Zone 2	280 - 300	°C	-
Zone 3	290 - 300	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity, Heat stabilized or stable to heat

Regional Availability

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