

**Pocan® KU1-7635 POS151**

(PBT+PC)-GF30

Envalior

**Product Texts**

PBT+PC, 30 % glass fibres, injection moulding, low tendency to warp, improved surface finish, UV-stabilized

ISO Shortname: ISO 7792-1-PBT+PC, GHLMR, 09-080, GF30

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	14	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7800	MPa	ISO 527
Stress at break	100	MPa	ISO 527
Strain at break	2.4	%	ISO 527
Flexural modulus, 23°C	7700	MPa	ISO 178
Charpy impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	35	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	30	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	10	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	120	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	165	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1470	kg/m <sup>3</sup>	ISO 1183
Bulk density	800	kg/m <sup>3</sup>	-

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
Injection Molding, melt temperature	250	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

**Characteristics**

**Pocan® KU1-7635 POS151**

(PBT+PC)-GF30

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**Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Release agent

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Low Warpage

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