

**Product Texts**

Extrusion, Improved Impact

ISO 1043 PPS-I

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	21.7	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.3	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2850	MPa	ISO 527
<sup>[C]</sup> Stress at break	60	MPa	ISO 527
<sup>[C]</sup> Strain at break	9	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	20	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	3.5	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	280	°C	ISO 11357-1/-3
<sup>[C]</sup> Glass transition temperature, 10°C/min	90	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	65	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
<sup>[C]</sup> Burning Behav. at thickness h	V-0	class	IEC 60695-11-10

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	>1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	41	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1290	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Profile Extrusion

**Special Characteristics**

Flame retardant, High impact or impact modified

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific

**Other text information**

**Injection molding**

[Injection Molding Recommendations](#)

**Other extrusion**

[Tube Extrusion Recommendations for Xytron™ U3020E](#)

**Profile extrusion**

[Recommendations for machining Xytron](#)