

**Product Texts**

- PC ASA-Blend
- high heat resistance
- very easy-flowing
- excellent colorability and weathering resistance
- for: unpainted exterior and interior automotive and truck applications

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	23	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2400	MPa	ISO 527
<sup>[C]</sup> Yield stress	60	MPa	ISO 527
<sup>[C]</sup> Yield strain	4.9	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural strength	50	MPa	ISO 178
<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	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	55	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	14	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	11	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
<sup>[C]</sup> Puncture - maximum force, +23°C	4700	N	ISO 6603-2
<sup>[C]</sup> Puncture - maximum force, -30°C	5700	N	ISO 6603-2
<sup>[C]</sup> Puncture energy, +23°C	45	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	50	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	106	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	123	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	127	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

[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> Comparative tracking index	175	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>0.4</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.1</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1170</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	<b>260</b>	°C	ISO 294
Injection Molding, mold temperature	<b>80</b>	°C	ISO 294
Injection Molding, injection velocity	<b>240</b>	mm/s	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>95 - 110</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.01</b>	%	-
Melt temperature	<b>260 - 280</b>	°C	-
Mold temperature	<b>70 - 90</b>	°C	-
Zone 1	<b>230 - 240</b>	°C	-
Zone 2	<b>235 - 245</b>	°C	-
Zone 3	<b>240 - 270</b>	°C	-
Nozzle temperature	<b>265 - 275</b>	°C	-
Back pressure	<b>5 - 15</b>	MPa	-

## Characteristics

### Processing

Injection Molding

### Special Characteristics

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

### Applications

Automotive

### Regional Availability

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