

Product Texts

- PC+ABS-I-FR(40)-Blend
- flame retardant
- for thin-wall applications
- for EVBP application

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	22	cm ³ /10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2450	MPa	ISO 527
^[C] Yield stress	59	MPa	ISO 527
^[C] Yield strain	4.3	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	43	kJ/m ²	ISO 180/1A
Izod notched impact strength	10	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
^[C] Puncture energy, +23°C	49	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	84	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	96	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	103	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	57	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	56	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.14	%	Sim. to ISO 62
^[C] Density	1190	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	260 - 290	°C	-
Mold temperature	60 - 80	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant, High impact or impact modified

Regional Availability

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