Bayblend® FR3040 R35

(PC+ABS) FR(40) Covestro Deutschland AG

Product Texts

- flame retardant
- contains 35% post consumer PC recyclate for natural color
- for notebooks and thinwall applications

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**18**	cm³/10min	ISO 1133
Temperature	**240**	°C	-
Load	**5**	kg	-
[C] Molding shrinkage, parallel	**0.7**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.7**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2550**	MPa	ISO 527
[C] Yield stress	**65**	MPa	ISO 527
[C] Yield strain	**4.2**	%	ISO 527
[C] Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**37**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**87**	°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]: 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

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
Injection Molding, injection velocity	**240**	mm/s	ISO 294

[C]: CAMPUS

Characteristics

Delivery form
Natural Color

Applications
IT / Business Machine

Special Characteristics
Flame retardant

Regional Availability
North America, Europe, Asia Pacific, Near East/Africa

Certifications
Recycled Resin Content