



Bayblend® FR3040 R35

(PC+ABS) FR(40)

Covestro Deutschland AG

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

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

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Yield stress	65	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	37	kJ/m²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	87	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	96	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	103	°C	ISO 306

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Volume Resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface Resistivity	>1E15	Ohm	IEC 62631-3-2

Test specimen production	Value	Unit	Test Standard
ISO Data			
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

Characteristics

Delivery form

Natural Color

Certifications

Recycled Resin Content

Special Characteristics

Flame retardant

Applications

IT / Business Machine