



Bayblend® RW85 XF
(PC+ABS)

Covestro Deutschland AG

Reflective grade with a combination of good mechanical performance, high flow and controlled diffusion characteristics.

Rheological properties	Value	Unit	Test Standard
ISO Data			
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	2270	MPa	ISO 527
Yield stress	49	MPa	ISO 527
Nominal strain at break	>50	%	ISO 527
Stress at Break	49	MPa	ISO 527
Flexural Modulus (23°C)	2270	MPa	ISO 178
Flexural strength	76	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	45	kJ/m ²	ISO 180/1A
Notched Impact Strength (Izod)	35	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Impact Strength (Izod), 23°C	no break	kJ/m ²	ISO 180/1U

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	104	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	126	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	130	°C	ISO 306

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Volume Resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface Resistivity	1E16	Ohm	IEC 62631-3-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1180	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding