



Bayblend® T40 XF
(PC+ABS)

Covestro Deutschland AG

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	14	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2200	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	3.7	%	ISO 527
Stress at Break	42	MPa	ISO 527
Strain at Break	>50	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	no break	kJ/m ²	ISO 179/1eU
Flexural Modulus (23°C)	2230	MPa	ISO 178
Flexural strength	77	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	55	kJ/m ²	ISO 180/1A
Notched Impact Strength (Izod)	40	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)	95	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	112	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	110	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	80	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	80	E-6/K	ISO 11359-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1100	kg/m ³	ISO 1183

Ecological Properties	Value	Unit	Test Standard
ISO Data			
Global Warming Potential (GWP)	100	kg CO ₂ eq./kg	ISO 14040, 14044

Characteristics

Processing

Injection Molding

Applications

General Purpose