

## Covestro Bayblend® W85 XF\* Polycarbonate + ASA

Category : Polymer , Thermoplastic , ASA Polymer , Polycarbonate (PC) , Polycarbonate/ASA Alloy, Unreinforced

### Material Notes:

Developmental product(PC+ASA) blending injection molding grade with improved weather resistance optimized heat ageing stability high heat resistance Vicat/B 120 = 132 °C Preprocessing Max. Water content

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Covestro-Bayblend-W85-XF-Polycarbonate-ASA.php](http://www.lookpolymers.com/polymer_Covestro-Bayblend-W85-XF-Polycarbonate-ASA.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	ISO 1183
Melt Flow	31 g/10 min @Load 5.00 kg, Temperature 260 °C	31 g/10 min @Load 11.0 lb, Temperature 500 °F	estimated from MVR using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	ISO 527-1/-2
Elongation at Yield	4.9 %	4.9 %	ISO 527-1/-2
Tensile Modulus	2.45 GPa	355 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	65.0 µm/m-°C	36.1 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	68.0 µm/m-°C	37.8 µin/in-°F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	127 °C	261 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	109 °C	228 °F	ISO 75-1/-2
Vicat Softening Point	130 °C	266 °F	50°C/h 50N; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 °C	464 - 536 °F	
	260 °C	500 °F	Injection Molding; ISO 294
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
	80.0 °C	176 °F	Injection Molding; ISO 10724
Injection Velocity	240 mm/sec	9.45 in/sec	ISO 294

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	India	
	Near East/Africa	
	South and Central America	
Feature	Heat stabilised or stable to heat	
	Light stabilised or stable to light	
	Release agent	
	U.V. stabilised or stable to weather	
Form	Pellets	
Process	Injection Molding	

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