

Covestro Bayblend® W85 HI PC ASA Blend

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

Material Notes:

Main characteristics:• High toughness even at low temperatures• High dimensional accuracy and stability• Good paintability• Good flowability
Grade characteristics:• Injection molding• Improved weather resistance• High heat resistance
As of 1 September 2015, Bayer MaterialScience was separated from Bayer AG and officially adopted its new name – Covestro.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Covestro-Bayblend-W85-HI-PC-ASA-Blend.php

Physical Properties	Metric	English	Comments
Viscosity	275000 cP	275000 cP	melt viscosity; b.o. ISO 11443-A
	@Shear Rate 1000 1/s, Temperature 260 °C	@Shear Rate 1000 1/s, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.0 MPa	8410 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	56.0 MPa	8120 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	>= 50 %	>= 50 %	50 mm/min; b.o. ISO 527-1,-2
Elongation at Yield	5.0 %	5.0 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	2.30 GPa	334 ksi	1 mm/min; ISO 527-1,-2
Izod Impact, Notched (ISO)	38.0 kJ/m ²	18.1 ft-lb/in ²	ISO 180-A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Puncture Energy	48.0 kJ/m ²	22.8 ft-lb/in ²	ISO 180-A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Puncture Energy	45.0 J	33.2 ft-lb	ISO 6603-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Puncture Energy	45.0 J	33.2 ft-lb	ISO 6603-2
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	134 °C	273 °F	120°C/h; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Mold Temperature	80.0 °C	176 °F	Injection molding; ISO 294
Injection Velocity	240 mm/sec	9.45 in/sec	ISO 294

Contact Songhan Plastic Technology Co.,Ltd.

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