

## Covestro Bayblend® ET3036 FR PC/ABS Blend

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

### Material Notes:

Main characteristics:• High toughness even at low temperatures• High dimensional accuracy and stability• Good paintability• Good flowability  
Grade characteristics:• Flame-retardant• Extrusion grade  
As of 1 September 2015, Bayer Material Science 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-ET3036-FR-PCABS-Blend.php](http://www.lookpolymers.com/polymer_Covestro-Bayblend-ET3036-FR-PCABS-Blend.php)

Physical Properties	Metric	English	Comments
Viscosity	410000 cP	410000 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	60.0 MPa	8700 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	65.0 MPa	9430 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	2.50 GPa	363 ksi	1 mm/min; ISO 527-1,-2
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 180-A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	40.0 kJ/m <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	ISO 180-A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	ISO 75-1,-2
Vicat Softening Point	120 °C	248 °F	50°C/h; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	122 °C	252 °F	120°C/h; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Thermal Properties	Metric	English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	260 °C	500 °F	Injection molding; ISO 294
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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