

## Covestro Bayblend® R-T 60 Polycarbonate/ABS Blend

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

### Material Notes:

Recycled grade in which carefully reclaimed old parts and production rejects and/or scrap from all processes of manufacturing or processing undergo material recycling. Slightly decreased impact strength compared to BAYBLEND T 64/T 65/T 65MN. Information provided by Bayer. 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-R-T-60-PolycarbonateABS-Blend.php](http://www.lookpolymers.com/polymer_Covestro-Bayblend-R-T-60-PolycarbonateABS-Blend.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	
Water Absorption	0.70 %	0.70 %	Saturation in water
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Equilibrium at 50% RH
Water Absorption at Saturation	0.70 %	0.70 %	
Melt Flow	19 g/10 min @Load 5.00 kg, Temperature 260 °C	19 g/10 min @Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	4.0 %	4.0 %	
Tensile Modulus	2.00 GPa	290 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	85.0 µm/m-°C @Temperature 20.0 °C	47.2 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	

Vicat Softening Point Thermal Properties	118 °C Metric	244 °F English	Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Oxygen Index	23 %	23 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	
Surface Resistance	$1.00 \times 10^{14}$ ohm	$1.00 \times 10^{14}$ ohm	
Dielectric Constant	2.0 @Frequency 100 Hz	2.0 @Frequency 100 Hz	
	2.9 @Frequency $1 \times 10^6$ Hz	2.9 @Frequency $1 \times 10^6$ Hz	
Dielectric Strength	24.0 kV/mm	610 kV/in	
Dissipation Factor	0.0040 @Frequency 100 Hz	0.0040 @Frequency 100 Hz	
	0.0070 @Frequency $1 \times 10^6$ Hz	0.0070 @Frequency $1 \times 10^6$ Hz	
Comparative Tracking Index	300 V	300 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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