

Covestro Bayblend® KU 2-1468 Polycarbonate/ABS Blend

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

Material Notes:

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-KU-2-1468-PolycarbonateABS-Blend.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
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	14 g/10 min @Load 5.00 kg, Temperature 260 °C	14 g/10 min @Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.0 MPa	9140 psi	
Elongation at Break	>= 50 %	>= 50 %	Nominal
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.60 GPa	377 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	75.0 µm/m-°C	41.7 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	127 °C	261 °F	
Deflection Temperature at 1.8 MPa (264 psi)	112 °C	234 °F	
Vicat Softening Point	134 °C	273 °F	
	V-0	V-0	

Thermal Properties	Metric @ Thickness 1.60 mm	English @ Thickness 0.0630 in	Comments
Oxygen Index	30 %	30 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	3.2	3.2	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	3.3	3.3	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.0027	0.0027	
Comparative Tracking Index	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0082	0.0082	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	225 V	225 V	

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