

Bayblend® ET3036 FR

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; flame-retardant; extrusion grade; Vicat/B120 = 122 °C; UL 94 V-0 (1.5 mm) and V-1 (0.75 mm) (internal test); for pipe- and corrugated pipe extrusion.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Corrugated Pipe		
	Piping		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
	Pipe Extrusion		

Physical	Nominal Value	Unit	Test Method
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	22.0	cm ³ /10min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	65.0	MPa	
Break, 23°C	60.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 23°C	5.0	%	
Break, 23°C	> 50	%	

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	10	kJ/m ²	
23°C	40	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	104	°C	ISO 75-2/A
Vicat Softening Temperature			
--	120	°C	ISO 306/B50
--	122	°C	ISO 306/B120

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
0.750 mm, Bayer Test	V-1	

1.50 mm, Bayer Test	V-0		
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity ¹ (260°C)	410	Pa·s	ISO 11443-A
NOTE			
1.	1000/s		

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