

Bergadur™ PB400 H UF UV BK701

Polybutylene Terephthalate

PolyOne Corporation

Message:

Halogen free flame retardant, with UV resistance and UL listed

General Information			
Additive	Flame retardancy		
Features	Good UV resistance		
	Halogen-free		
	Flame retardancy		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 - 1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	38.0	MPa	ASTM D638
Flexural Modulus ²	2850	MPa	ASTM D790
Flexural Strength ³	72.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	172	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110 - 130	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	240 - 270	°C	
Middle Temperature	240 - 270	°C	
Front Temperature	240 - 270	°C	
Mold Temperature	75.0 - 95.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			

1.	50 mm/min
2.	1.3 mm/min
3.	1.3 mm/min

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