



**Component - Plastics**

File Number: E51193

LyondellBasell Advanced Polymers, Inc.

1221 McKinney St, Suite 300  
Houston, TX 77010 United States



**Diamaloy: ABS/PC 750 Natural**

Acrylonitrile Butadiene Styrene/Polycarbonate (ABS/PC), pellets

NOTE - All designations may be followed by an optional hyphen, followed by an alphanumeric color code

Flammability	Value	Test Method
Flame Rating		UL 94
0.06 in, NC	V-0	
0.08 in, NC	V-0, 5VB	
0.10 in, NC	V-0, 5VB	
0.12 in, NC	V-0, 5VB	
Flammability Classification		IEC 60695-11-10, -20
0.06 in, NC	V-0	
0.08 in, NC	V-0, 5VB	
0.10 in, NC	V-0, 5VB	
0.12 in, NC	V-0, 5VB	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.06 in	PLC 3	
0.08 in	PLC 2	
0.10 in	PLC 2	
0.12 in	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.06 in	PLC 0	
0.08 in	PLC 0	
0.10 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	690 V/mil	ASTM D149
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.06 in	167 °F	
0.08 in	167 °F	
0.10 in	167 °F	
0.12 in	167 °F	
RTI Imp		UL 746B
0.06 in	176 °F	
0.08 in	176 °F	
0.10 in	176 °F	
0.12 in	176 °F	



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Thermal	Value	Test Method
RTI Str		UL 746B
0.06 in	167 °F	
0.08 in	167 °F	
0.10 in	167 °F	
0.12 in	167 °F	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796

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