

**STAR PLASTICS INC**326 JACK BURLINGAME DR
MILLWOOD, WV 25262-8577 United States

File Number: E205256

ORION: ABS450FR

Acrylonitrile Butadiene Styrene (ABS), pellets [contains mechanically recycled content]

NOTE - Material designations may be followed by numbers and/or letters representing color and/or granulation and/or lubrication.



Flammability	Value (English)	Value (SI)	Test Method
Flame Rating			UL 94 IEC 60695-11-10, -20
0.06 in (1.5 mm), ALL	V-0	V-0	
0.12 in (3.0 mm), ALL	V-0, 5VA	V-0, 5VA	
Electrical	Value (English)	Value (SI)	Test Method
Hot-wire Ignition (HWI)			UL 746A
0.06 in (1.5 mm)	PLC 3	PLC 3	
0.12 in (3.0 mm)	PLC 2	PLC 2	
High Amp Arc Ignition (HAI)			UL 746A
0.06 in (1.5 mm)	PLC 0	PLC 0	
0.12 in (3.0 mm)	PLC 0	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	PLC 2	UL 746A
Dielectric Strength	810 V/mil	32 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	PLC 4	UL 746A
Volume Resistivity	1.0E+16 ohms·cm	1.0E+16 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	PLC 6	ASTM D495
Thermal	Value (English)	Value (SI)	Test Method
RTI Elec			UL 746B
0.06 in (1.5 mm)	140 °F	60.0 °C	
0.12 in (3.0 mm)	140 °F	60.0 °C	
RTI Imp			UL 746B
0.06 in (1.5 mm)	140 °F	60.0 °C	
0.12 in (3.0 mm)	140 °F	60.0 °C	
RTI Str			UL 746B
0.06 in (1.5 mm)	140 °F	60.0 °C	
0.12 in (3.0 mm)	140 °F	60.0 °C	
Physical	Value (English)	Value (SI)	Test Method
Dimensional Change	0.0 %	0.0 %	ASTM D1042 ISO 2796