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additional material information including performance and processing data

E48268

Component - Plastics

Guide Information

**IDEMITSU KOSAN CO LTD**

BASIC CHEMICALS DEPT, 28TH FL, JP TOWER, 7-2 MARUNOUCHI 2-CHOME, CHIYODA-KU TOKYO 100-7028 JP

**AZ1900(+)**

Polycarbonate (PC), furnished as pellets

<u>Color</u>	<u>Min. Thk</u> <u>(mm)</u>	<u>Flame</u> <u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI</u> <u>Elec</u>	<u>RTI</u> <u>Imp</u>	<u>RTI</u> <u>Str</u>
ALL	0.40	V-2	-	-	80	80	80
	1.5	V-0	2	0	80	80	80
	3.0	V-0	2	0	80	80	80
	4.0	V-0, 5VA	2	0	80	80	80

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 22

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10<sup>x</sup> ohm-cm): 16

High Volt, Low Current Arc Resis  
(D495): -

(+) - Represents customer code

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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<b>IEC and ISO Test Methods</b>				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	0.40	V-2 (ALL)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
			4.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	-