

Component - Plastics

E215991

SK CHEMICALS CO LTD

310 Pangyo-ro Bundang-gu, Seongnam-si Gyeonggi-do 13494 KR

SKYTRA 5220F(#)(f1)

Polyethylene Terephthalate (PET), furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
NC, BK	0.7	V-0	0	0	155	155	155
	1.5	V-0	0	0	155	155	155
	3.0	V-0	0	0	155	155	155

Comparative Tracking Index (CTI):	2	Inclined Plane Tracking (IPT) kV:	1.5
Dielectric Strength (kV/mm):	35.04	Volume Resistivity (10 ^x ohm-cm):	14
High-Voltage Arc Tracking Rate (HVTR):	1	Surface Resistivity (10 ^x ohms/square):	-
Dimensional Change (%):	0	High Volt, Low Current Arc Resis (D495):	7

SKYTRA 5220FR contains a minimum of 50% post-consumer recycled content.:

(#) - May be replaced by one or two numbers and/or letters.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

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.

Report Date: 2013-12-06

Last Revised: 2023-12-19

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties: refer to Terms and Conditions of Sale



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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.7	V-0 (NC, BK)
			1.5	V-0 (NC, BK)
			3.0	V-0 (NC, BK)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.7	960
			1.5	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.7	930
			1.5	875
			3.0	960
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
IEC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
IEC Volume Resistivity (VR)	IEC 62631-3-1	10 ^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	240
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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-

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