

SKYTRA 5220FR

PET-GF30

SK Chemicals

SKYTRA 5220FR contains a minimum of 50% PCR (post-consumer recycled) content.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11000	MPa	ISO 527
Yield stress	130	MPa	ISO 527
Strain at Break	2.5	%	ISO 527
Flexural Modulus (23°C)	9400	MPa	ISO 178
Flexural strength	200	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	90	J/m	ASTM D 256
Notched Impact Strength (Izod), 1/4 in	70	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	225	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0	class	UL 94
Thickness tested	0.3	mm	-
Burning Behav. 5V at Thickness h	5VA	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	3	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.7	mm	-

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	250	-	IEC 60112
ASTM Data			
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	90	s	ASTM D 495

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1630	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding

Certifications

Recycled Resin Content

Special Characteristics

Flame retardant

Applications

Automotive, Electrical and Electronical