



akdeio®
forest products ground materials
import export
marketing industry and trade
LIMITED COMPANY



Granex®
100% ACRYLIC SOLID SURFACE

SOLID SURFACE



akdeio

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LIMITED COMPANY

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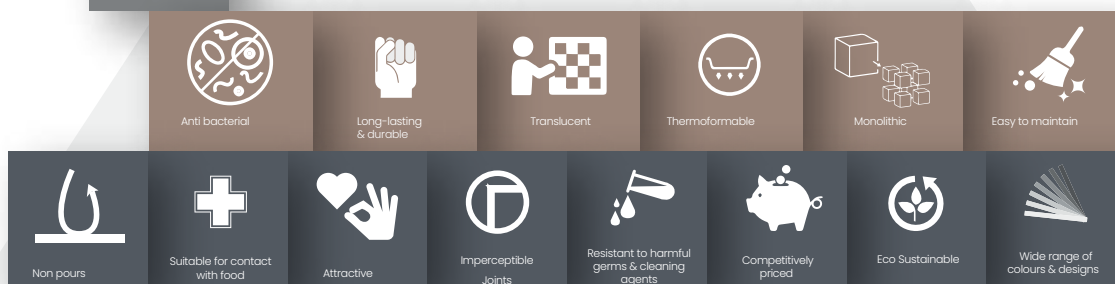
Granex[®]
100% ACRYLIC SOLID SURFACE



100% Acrylic Solid Surface is engineered with **India's first and the most advanced fully automated plant**, using world-class German technology.

Solid surfaces are innovative materials that offer great adaptability of shapes. It can be shaped, carved, moulded, and formed as well as customized to integrate seamlessly with the other materials in architectural design. Granex works with a wide range of other materials – metal, wood, glass, or natural stone. You can choose from a wide range of trendsetting patterns and tones to create your own custom colors.

Key features



Availability

Size	760 mm x 2440 mm	Thickness	6 mm
Size	760 mm x 3660 mm	Thickness	12 mm

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Color Range

Whites



Gx-W-101
N-White



Gx-W-102
Glacier White

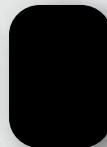
Plains



Gx-P-201
N-Yellow



Gx-P-202
N-Red



Gx-P-203
N-Black



Gx-P-204
N-Orange



Gx-P-205
Lemon Squash



Gx-P-206
Bone



Gx-P-207
Concrete Grey



Gx-P-208
D-Brown



Gx-P-209
Royal Blue



Gx-P-210
Beige Breeze

Sparkle



Gx-S-501
White Sparkle



Gx-S-504
Sparkle Grey

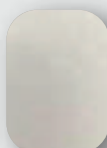


Gx-S-502
Black Sparkle

Small medium Chips



Gx-SMC-301
Salt White



Gx-SMC-302
Rice Paper



Gx-SMC-303
Cubic White



Gx-SMC-304
Dove



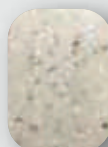
Gx-SMC-305
Slate



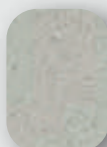
Gx-SMC-306
Brownie



Gx-SMC-307
Raffia



Gx-SMC-309
Beige Island



Gx-SMC-310
Sanded Cream



Gx-SMC-311
Beach Sand



Gx-SMC-312
Gold Brown



Gx-SMC-313
Dusk



Gx-SMC-314
Silver Stone



Gx-SMC-317
Dijon Beige

Large Chips



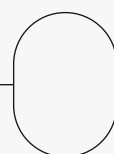
Gx-LC-401
Antarctica

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Whites

Gx-W-101
N-White



Gx-W-102
Glacier White

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STYLAM

Plains

Gx-P-201
N-Yellow

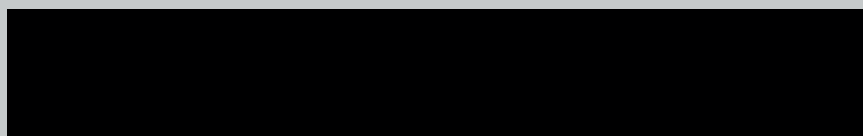
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Gx-P-201
N-Yellow



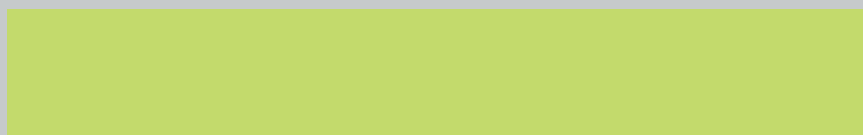
Gx-P-202
N-Red



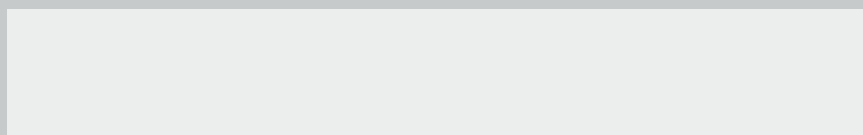
Gx-P-203
N-Black



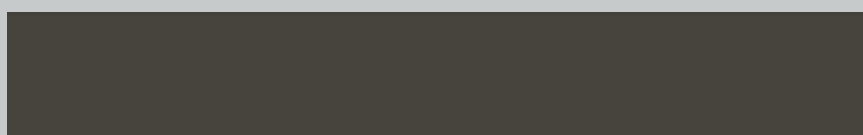
Gx-P-204
N-Orange



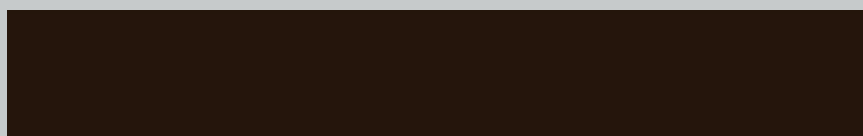
Gx-P-205
Lemon Squash



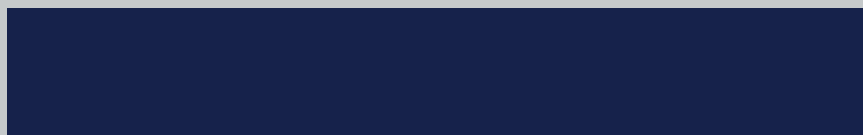
Gx-P-206
Bone



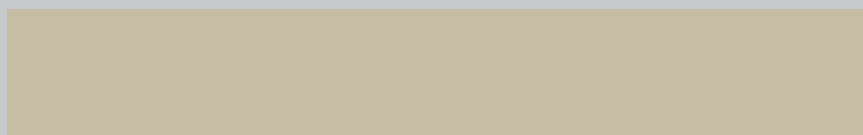
Gx-P-207
Concrete Grey



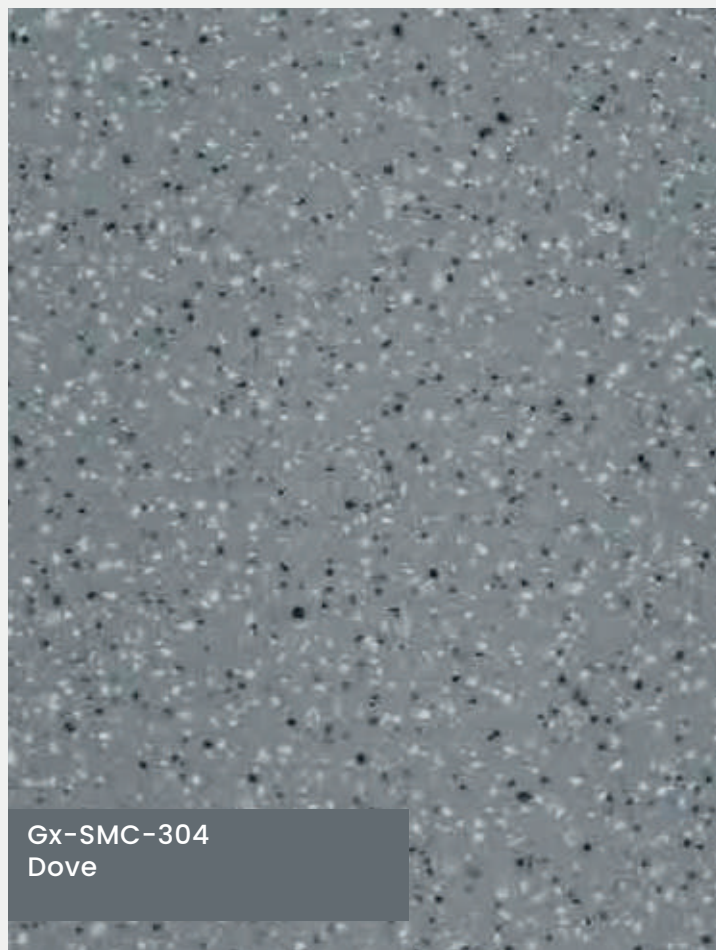
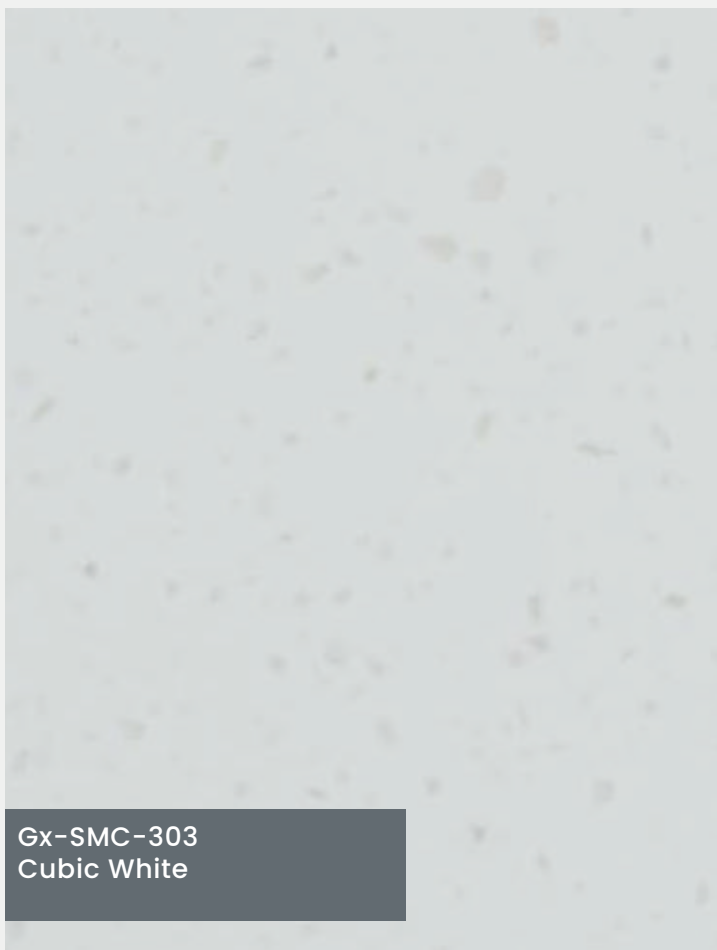
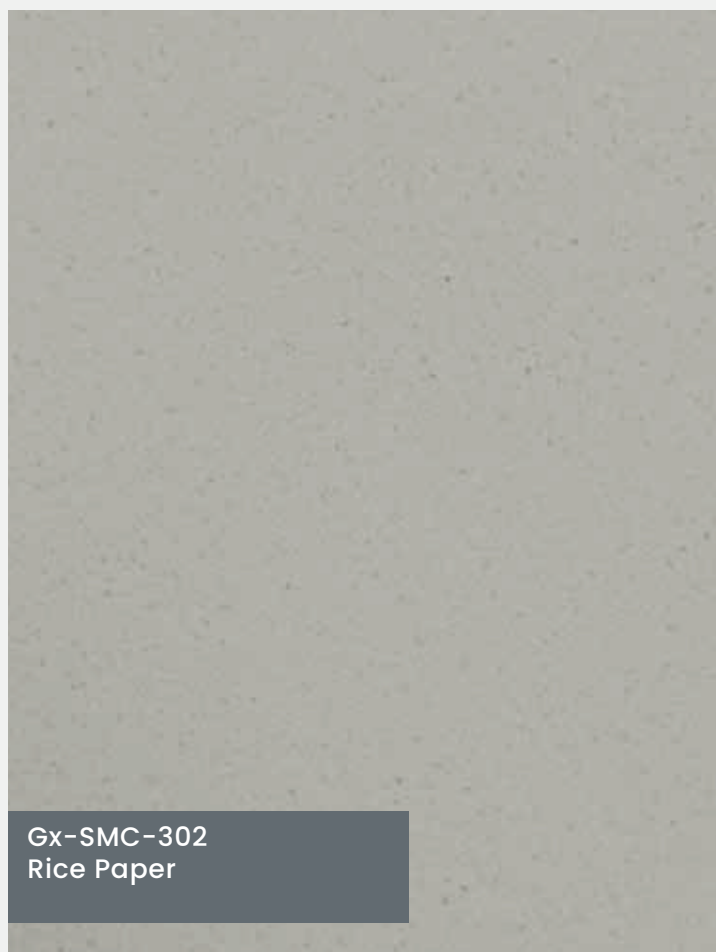
Gx-P-208
D-Brown



Gx-P-209
Royal Blue



Gx-P-210
Beige Breeze



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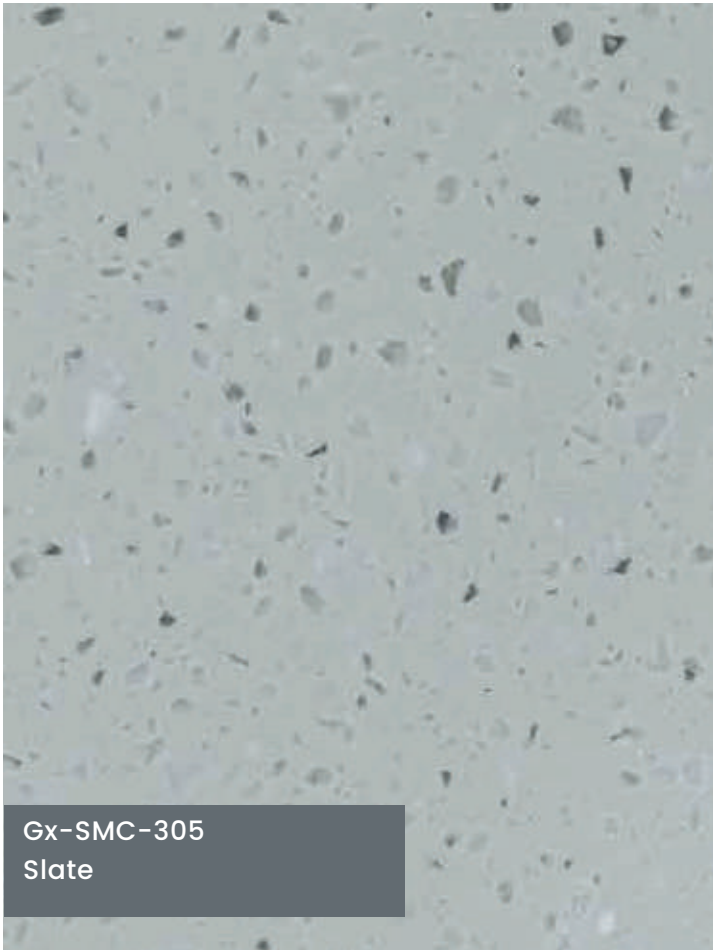
Small Medium Chips



Gx-SMC-304
Dove




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Gx-SMC-310
Sanded Cream

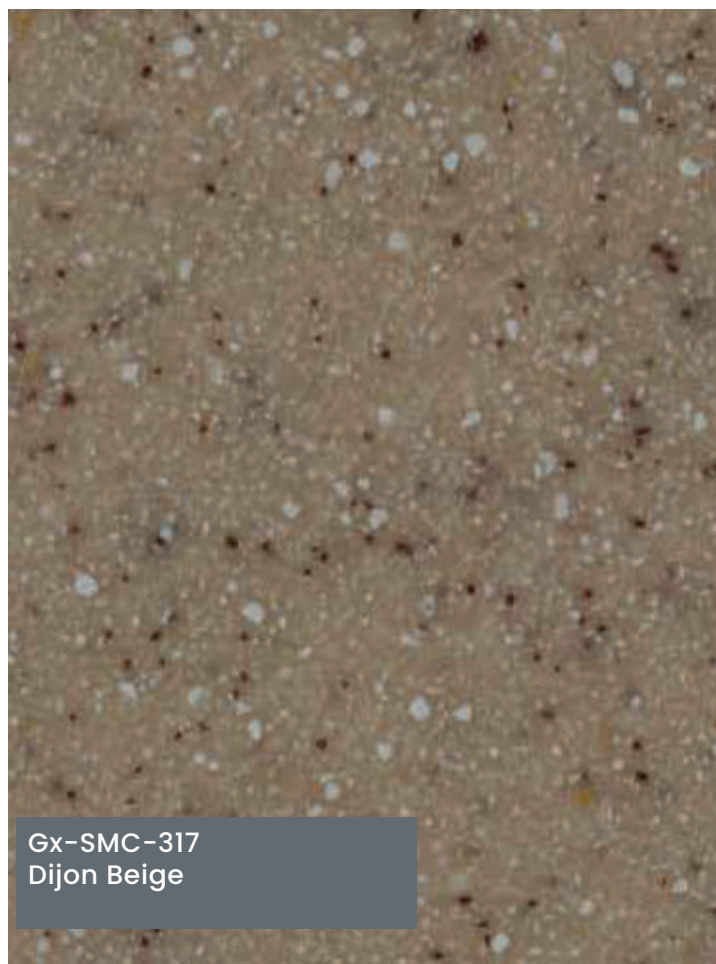
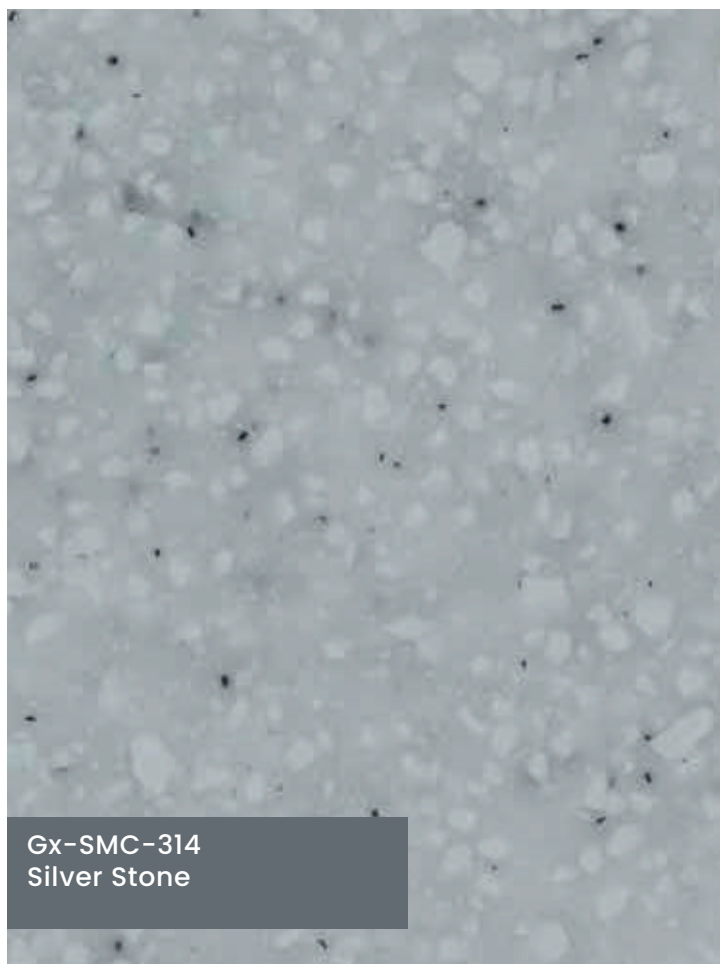
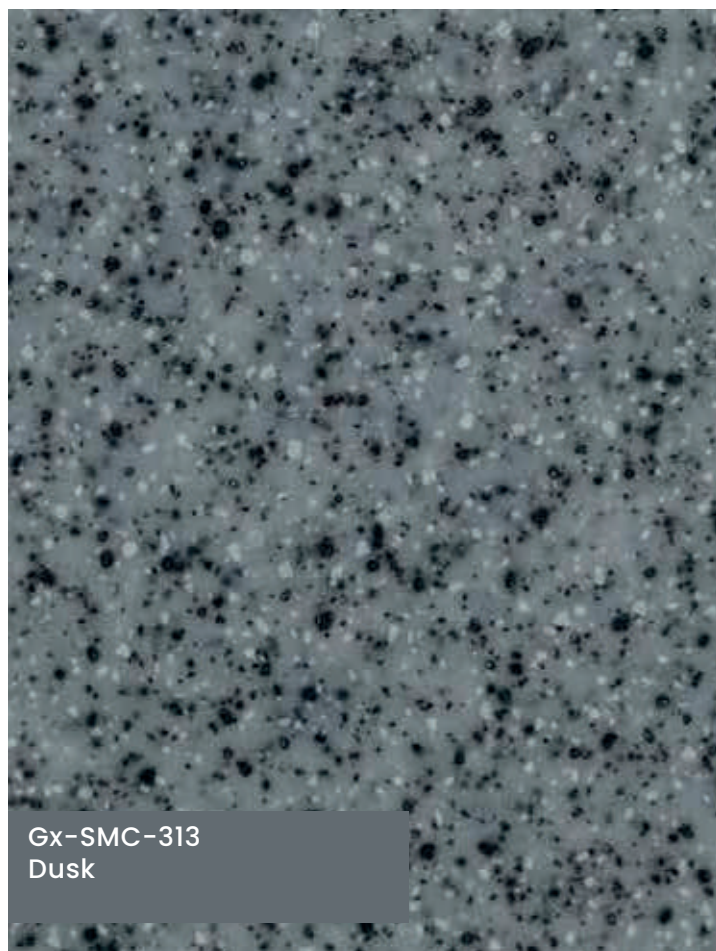


Gx-SMC-310
Sanded Cream



Gx-SMC-311
Beach Sand

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Large Chips

Gx-SMC-310
Sanded Cream

Gx-LC-401
Antarctica

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Sparkle

Gx-S-502
Black Sparkle


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Gx-S-501
White Sparkle

A large rectangular sample of a light grey solid surface material with a fine, uniform distribution of small white sparkles.

Gx-S-504
Sparkle Grey

A large rectangular sample of a medium grey solid surface material with a fine, uniform distribution of small white sparkles.

Gx-S-502
Black Sparkle

A large rectangular sample of a dark grey/black solid surface material with a fine, uniform distribution of small white sparkles.

Certifications



Technical Data Sheet

	PROPERTIES	TEST METHOD	ATTRIBUTES OF PERFORMANCE	UNIT OF MEASUREMENT	RESULTS (AS PER STANDARD)
1	PHYSICAL PROPERTIES				
1.1	Density	ISO 1183-1	Density	gm/cc	1.7
1.2	Water Absorption	ASTM D-570	Water penetration by surface	%	0.04
1.3	Rockwell M Hardness	ASTM D-785-08	Rockwell Units	no.	≥ 75
2	MECHANICAL PROPERTIES				
2.1	Tensile Strength	ASTM D-638-14	Stress	psi	6300
2.2	Tensile Modulus	ASTM D-638-14	Stress	psi	630000
2.3	Flexural Strength	ASTM D-790-17	Stress	psi	7700
2.4	Flexural Modulus	ASTM D-790-17	Stress	psi	1200000
2.5	Tensile Elongation at break	ASTM D-638-14	Deformation due to stress	%	1
2.6	Izod Impact	ASTM D-256-10 (2018)	Impact by Izod tester	J/m	30
3	HEAT & FLAME PROPERTIES				
3.1	Coefficient of Linear Thermal Expansion	ASTM D-696:2008	Linear expansion by heat (-30°C to +30°C)	mm/(mm x °C)	5.4 x 10 ⁻⁵
3.2	Heat Deflection Temperature	ASTM D-648-18	Temperature	°C	90
3.3	High Temperature Resistance	NEMA LD 3-3.6	Appearance	--	Pass
3.4	Boil Water Resistance	NEMA LD 3-3.5	Appearance	--	Pass
3.5	Limiting Oxygen Index	ASTM D-2863-17a	Oxygen Index	%	34
3.6	Dry Heat Resistance	ISO 19712-2:12	Appearance	Rating	5 (No visible change)
3.7	Wet Heat Resistance	ISO 19712-2:13	Appearance	Rating	5 (No visible change)
3.8	Cigarette Burns	ISO 19712-2:11	Appearance	Rating	3.8



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