



GEON[®] 6935

Extrusion Cube Compound

Color Weatherability

Geon 6935 is an exterior, impact modified, rigid extrusion compound with outstanding sizing, toughness and resistance to pinking. The following table summarizes the actual outdoor weathering data for this compound.

	6 Months			12 Months			24 Months			36 Months			60 Months		
	AZ	OH	FL	AZ	OH	FL	AZ	OH	FL	AZ	OH	FL	AZ	OH	FL
White 115															
Δ L	-0.25	-0.96	-0.37	-0.54	-0.42	-0.38	-	-	-	-	-	-	-	-	-
Δ a	-0.15	-0.12	-0.11	-0.44	-0.04	-0.02	-	-	-	-	-	-	-	-	-
Δ b	0.70	0.72	0.41	2.15	0.17	0.26	-	-	-	-	-	-	-	-	-
Δ E	0.76	1.21	0.56	2.26	0.45	0.46	-	-	-	-	-	-	-	-	-
White 136															
Δ L	0.13	-0.89	-0.33	-0.15	-0.30	0.09	-	-	-	-	-	-	-	-	-
Δ a	-0.11	-0.12	-0.08	-0.33	0	-0.11	-	-	-	-	-	-	-	-	-
Δ b	0.29	0.68	0.39	1.32	-0.05	-0.30	-	-	-	-	-	-	-	-	-
Δ E	0.33	1.12	0.52	1.37	0.30	0.33	-	-	-	-	-	-	-	-	-
White 138															
Δ L	1.64	0.57	0.77	0.81	1.18	1.09	-	-	-	-	-	-	-	-	-
Δ a	0	0.04	0.02	-0.17	0.09	0.08	-	-	-	-	-	-	-	-	-
Δ b	-0.35	-0.09	-0.39	0.71	-0.55	-0.50	-	-	-	-	-	-	-	-	-
Δ E	1.68	0.58	0.86	1.09	1.30	1.20	-	-	-	-	-	-	-	-	-
White 141															
Δ L	0.66	-0.26	0.51	0.40	0.44	0.55	-	-	-	-	-	-	-	-	-
Δ a	-0.63	-0.44	0.54	-1.11	-0.43	-0.57	-	-	-	-	-	-	-	-	-
Δ b	1.96	1.61	1.44	3.59	1.16	1.48	-	-	-	-	-	-	-	-	-
Δ E	2.16	1.69	1.62	3.78	1.31	1.68	-	-	-	-	-	-	-	-	-
White 151															
Δ L	1.04	-0.04	0.56	0.44	0.63	0.74	-	-	-	-	-	-	-	-	-
Δ a	-0.04	-0.01	0	-0.18	-0.06	0.04	-	-	-	-	-	-	-	-	-
Δ b	0.14	0.17	-0.16	0.73	-0.36	-0.31	-	-	-	-	-	-	-	-	-
Δ E	1.05	0.18	0.58	0.87	0.73	0.81	-	-	-	-	-	-	-	-	-
Beige 349															
Δ L	1.44	0.02	0.64	3.49	1.45	1.46	-	-	-	-	-	-	-	-	-
Δ a	-0.10	0.01	-0.02	-0.12	0.06	0	-	-	-	-	-	-	-	-	-
Δ b	-0.70	-0.52	-0.57	-2.10	-1.62	-1.21	-	-	-	-	-	-	-	-	-
Δ E	1.60	0.52	0.86	4.03	2.17	1.91	-	-	-	-	-	-	-	-	-

Color Change in Hunter L,a,b units	
Δ L	- change in lightness/darkness direction
Δ a	- change in red/green direction
Δ b	- change in yellow/blue direction
Δ E	- total color change

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The Geon Company / One Geon Center, Avon Lake, Ohio 44012

GEON RIGID VINYL



EXTERIOR COMPOUNDS

GEON[®] 6935

Extrusion Cube Compound
Impact Performance

ASTM D - 4226 Drop Impact Test (in.lbs./mil.) C.125 dart

	ORIGINAL	6 Months			12 Months			24 Months			36 Months			60 Months		
		AZ	OH	FL	AZ	OH	FL	AZ	OH	FL	AZ	OH	FL	AZ	OH	FL
365 °F - 375 °F Melt																
A	1.0	1.0	0.9	0.9	-	0.8	0.9	0.6	1.5	1.1	-	-	-	-	-	-
B	1.5	1.0	1.0	0.9	-	0.8	0.9	0.6	1.5	1.1	-	-	-	-	-	-
390 °F Melt																
A	0.9	1.7	1.9	1.7	1.3	1.4	1.2	-	-	-	-	-	-	-	-	-
B	3.6+	1.7	1.9	1.7	2.3	2.1	1.7	-	-	-	-	-	-	-	-	-

Note: Impact and impact retention is greatly affected by the melt temperature, internal stresses and product surface.

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