

Comparison of Duel Seal Equivalent Insulating Glass Seal Units

	Delchem D-2000	Bostik 9190	PRC -DeSoto 590	PRC -DeSoto 595 Gun Grade	H.B.Fuller Insul - Cure HL -5153A
Base Chemistry	Butyl	Modified Urethane	Silicon Modified Polyurethane	Silicon Modified Polyurethane	Modified Urethane
Weight Per Litre	29	46	43	43	40 - 46
Initial Hardness	35 Shore A	26 Shore A	50 Rex A	50 Rex A	50 Rex A
Full Cure Hardness	45 Shore A	48 -55 Shore A	60 Rex A	60 Rex A	60 Rex A
Contains Hazardous Constituents	No	Yes	Yes	Yes	Yes
MVTR (G/m ² /day)	0.013	1.02	3.5	3.5	2.9
Argon Permeance (G/m ² /day)	0.0000574	0.02	0.07	0.07	Consistent with other Urethane DSE materials
Low Temperature Flexibility	-70 °C Remains Elastomeric	-32 °C	Assume -32 °C	Assume -32 °C	-30 °C
Credentialed By PPG As DSE	Yes	No	Yes	Yes	Yes
Passes CAN/CGSB 12.8	Yes	No	No	Yes	Yes
Passes ASTM E2190	Yes	Not Known	Not Known	Not Known	Not Known
Colour	Black & Grey	Black & Grey	Grey	Grey	Not Known
Contains Isocyanates Or Diisocyanates	No	Yes	Yes	Yes	Yes
Passes IGMAC & ASTM Fog Test	Yes	No	No	Yes	Yes