

OC Organoclay/Carbon Compared to Organophilic Clays

	Z-200	Organophilic Clays
Active Ingredient	Quaternary Amine	Quaternary Amine
Substrate	Zeolite	Clay
Cation Exchange Capacity	Yes	No
Active Media by Volume	50%	30%
Pounds Active Media/cubic foot	28.9	21.5
Disposal Cost	Same	Same

➤ Conclusion

OC is a blend of “Z-200” zeolite impregnated with a 4.1% quaternary amine solution prior to being mixed 50/50 by weight with “R 8x30” activated carbon to preclude binding and improve VOC adsorption.

Our competitors use clay as an alternative to zeolite, presumably for economic considerations. In addition, when anthracite coal is included our competitors relationship of coal/clay amine is 70/30.

If all other factors are equal, the active ingredient (quaternary amine) is approximately 34% greater than pounds of active ingredient in our competitor’s products.