

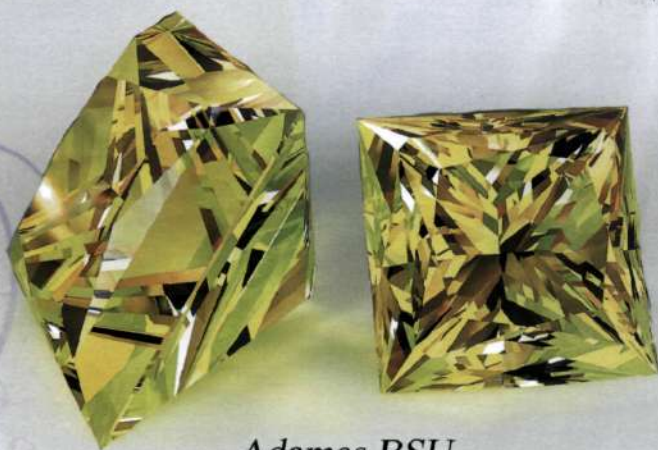


Lab-grown diamonds have identical physical and optical properties of diamonds obtained from the Earth.

Modern technology and equipment provide the conditions found under the earth's crust for diamond growth.

Just one out of 10 000 extracted from the Earth diamonds has fancy color. We can achieve it with every grown diamond.

Lab- grown diamonds have nothing in common with diamond simulants (imitations) - Cubic Zirconia, Moissanite, etc.



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Only diamond is a crystalized form of Carbon and has a highest hardness.



Comparison between
Natural Diamond, Lab-grown Diamond
and Diamond Simulant

Product	Diamonds		Simulants	
	Natural Diamonds	Lab-grown Diamonds	Moissanite	Cubic-Zirconia
Chemical composition	Carbon (C)	Carbon (C)	SiC	ZrO ₂
Refractive index	2,42	2,42	2,65	2,2
Dispersion	0,044	0,044	0,104	0,066
Hardness	10	10	9	8
Density	3,52	3,52	3,21	5,70