

Crystaltechno Ltd. offers grown in house

Undoped and Doped Yttrium Aluminum Garnet Crystals

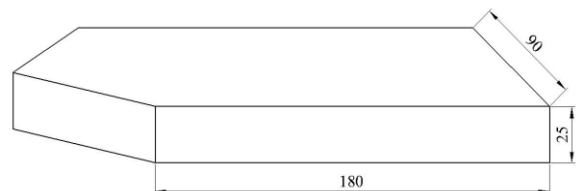
For Jewelry

Yttrium aluminum garnets (YAG) are structural analogs of natural garnets but excel them in hardness (8-8,5), transparency and flawless zone dimensions. They have strong dispersion, creating diamond play-of-color.

Doping with rare-earth elements provides a wide spectrum of colors, including exclusive hues. Garnet varieties, similar in color and play-of-color to demantoid garnet and tanzanite, are available. Other colors are available according to the customer requirements.



Chemical formula	$Y_3Al_5O_{12}$
Crystal structure	cubic
Density, g/cm ³	4,55
Melting point, °C	1970
Mohs' hardness	8,5
Index of refraction	1,815
Optical transparency region, μm	0,24 - 6,0
Maximal dimensions of crystals, mm	90x180x25



If you are interested please feel free to contact us! You can receive the additional information
e-mail: sales@crystaltechno.com