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Garnet Vs <u>Most Other Natural Transparent Gemstones</u>

Picks Up (diagnostic) Inert to Drags

A Pick Up response by any transparent gemstone of average size is generally a positive identification for Garnet. No other natural transparent *primary* gemstone will give this response. Grossular Garnets don't Pick Up (Hessonite, Tsavorite, Mali, and lesser known varieties). Demantoid is the only green Garnet that picks up.

Rhodolite Garnet Vs Purplish Red Sapphire

Picks Up Inert to Moderate

<u>Chrome Pyrope Garnet</u> Vs <u>Ruby</u>

Drags Weak to Moderate

Rhodolite Garnet Vs Amethyst

Picks Up Inert

Rhodolite Garnet Vs Rubellite Tourmaline

Picks Up Inert to Moderate

Rhodolite Garnet Vs Purplish Red Spinel

Picks Up Weak to Moderate

Most Red Garnets Vs Red Spinel

Pick Up Weak to Moderate

Most Red Garnets Vs Red Zircon

Pick Up Inert

Orange Spessartine Garnet Vs YAG/CZ

Picks Up Inert to Weak

Orange Spessartine Garnet Vs Hessonite Garnet

Picks Up Moderate to Strong

Orange Spessartine Garnet Vs Orange Sapphire

Picks Up Weak to Moderate

<u>Demantoid Garnet</u> Vs <u>All Other Transparent Green Gemstones</u>

Picks Up (diagnostic) Inert to Strong

Hessonite Garnet	Vs	Orange Dravite Tourmaline
Moderate to Strong		Inert
Brown Mali Garnet	Vs	Brown Sphene
Drags		Strong
Tsavorite Garnet	Vs	Chrome Tourmaline
Weak to Strong		Inert
Almandine Garnet	Vs	Purple Spinel
Picks Up		Weak to Moderate
Black Garnet (Melanite)	Vs	Black Diamond (Carbonado)
Picks Up		Inert
Spinel (except pale stones)	Vs	Synthetic Spinel
Weak to Moderate		Inert (except some green gems)
<u>Aquamarine</u>	Vs	Blue Topaz
Weak to Moderate		Inert
Indicolite Tourmaline	Vs	All Other Blue Gemstones of Any Transparency
Drags (diagnostic)		Inert to Moderate
<u>Verdelite Tourmaline</u>	Vs	<u>Tsavorite Garnet</u>
Drags		Weak to Strong
<u>lolite</u>	Vs	Tanzanite (Zoisite)
Moderate to Strong		Inert
Purple Sapphire	Vs	<u>Amethyst</u>
Weak to Moderate		Inert
Yellow Feldspar	Vs	Yellow Quartz (Citrine)
Weak to Moderate		Inert
<u>Peridot</u>	Vs	<u>Idocrase</u>
Drags		Strong
<u>Verdelite Tourmaline</u>	Vs	Chrome Tourmaline
Strong to Drags		Inert

<u>Chrome Diopside</u> Vs <u>Chrome Tourmaline</u>

Weak to Strong Inert

Jadeite/Nephrite (green or black) Vs Dyed Chalcedony or Synthetics

Weak to Strong Inert

<u>Turquoise</u> Vs <u>Polymers, Odontolite or Dyed Howlite</u>

Weak to Moderate Inert

<u>Sphene</u> Vs <u>Sphalerite</u>

Weak to Strong Inert

<u>Orange Sapphire</u> Vs <u>Orange Mexican Fire Opal</u>

Weak to Moderate Inert

<u>Alexandrite</u> Vs <u>Synthetic Alexandrite</u>

Weak Inert

<u>Tanzanite</u> Vs <u>Violet YAG</u>

*Inert* Weak

Glass/Garnet Doublet Vs <u>Unassembled Gems</u>

Inert Glass side /Strong Garnet side Uniform magnetic response

<u>Diamond</u> Vs <u>Imitation & Synthetic Diamond</u>

Inert Any magnetic response eliminates natural Diamond

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