US Vanadium

Product Specification

Vanadium Titanium Mix (80:20) (VTi 80-20)

CHEMISTRY

Major Elements			
	Min.	Aim	Max.
Vanadium (V^{+5})	23.2%	23.5%	23.8%
$VOCl_3$	79.0%	80.0%	81.0%
$TiCl_4$	19.0%	20.0%	21.0%

PHYSICAL CHARACTERISTICS

Physical Properties	
Freezing Point:	-50°C (-58)
Boiling Point:	126°C (260.1°F)
Bulk Density:	15.1 lbs./gal.
Specific Gravity:	1.81 g/cc
Viscosity:	0.79 cps (25°C)

Appearance
Yellow Liquid

Standard Packaging
DOT BW240 cylinder containing 740 lbs (336 kg), DOT or IMO C-250 cylinder containing 3,000 lbs (1,360 kg) of product.

Vanadium Titanium Mix (VTi) is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.
US Vanadium's blend of high-purity vanadium oxytrichloride and titanium tetrachloride is used as a catalyst in polyethylene production. Other mixes (50:50 and 65:35) are available.

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Director of Technology Approval	Chad Martin
Quality Manager Approval	Robert Elliott

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