

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°F)
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.

Specification No. MC15 Revision No. 6

Issue Date: 03/01/95 Revision Date: 10/22/19

Director of Technology Approval



Quality Manager Approval

