

**BORICA**

CROSS LINKING AGENT

Tytan PBT

Technical Data Sheet

Chemical Description

Product Description	Polybutyl titanate
CAS Number	162303-51-7
EC Number	500-687-1

Specifications

Colour	Yellow
Ti Content, %	19.5 ~ 21.0
(as TiO ₂ Content, %)	(32.5 ~ 35.0)
Specific Gravity, d ₄ ²⁵	1.12 +/- 0.01
Viscosity, mPa.s at 25 °C	1200 ~ 2500

Physical Properties

Form	Liquid
Flash Point, °C	>45
Pour Point, °C	<-25

Applications

Tytan PBT has polymer structure with chemical formula as $Ti_xO_y(OR)_{4x-y}$. **Tytan PBT** is largely used in formulating heat and corrosion resistant paints. **Tytan PBT** can be used with zinc or alumina pigments to formulate paints suitable for application by brush or spray. It can also be used to formulate air-drying paint with silicone resins. Paint contains **Tytan PBT** is moisture sensitive during manufacture and storage. The film dries through hydrolysis of PBT to a thin layer of Ti-O-Si and then bond to the substrate. Once the film dried, it can stand up to 600 °C.