

## Introduction

TiO<sub>2</sub>\_45Cr<sub>2</sub>O<sub>3</sub> is a powder which is blended with TiO<sub>2</sub> and 45 wt.% Cr<sub>2</sub>O<sub>3</sub> powder. It is originally used for thermal spray coating applications in textile industry. This powder has excellent abrasion, heat and corrosive resistance. It is hard with high fracture toughness and low frictional coefficient.

**Equivalent:** Metco 111

## Chemical & Physical Properties

TiO <sub>2</sub>		Cr <sub>2</sub> O <sub>3</sub> (44%-46%)						Physical Properties		
TiO <sub>2</sub>	All other	Cr <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	All Others	Color	Working Temperature	Manufacture
Bal.	<1%	Bal.	<4.25%	<0.5%	<0.25%	<0.25%	<0.5%	Dark gray	≤540°C	Blend

## Applications

- Sucker rod couplings
- Dry cell batter mandrels
- Cylinder bores
- Doctor blades, machine tool chip breakers

## Standard Sizes & Packaging

<b>Bottle</b>	5kg/bottle 4 bottles/box
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