

## Tingo modifier 4131 Black

Modifier to use in epoxy resins and polyurethane with medium viscosity

<b>Density</b>	<b>(20°C)</b>	DIN 51757	g/cm <sup>3</sup>	<b>0,990 –1,060</b>
<b>Viscosity</b>	<b>(20°C)</b>	DIN 53015	mPas	<b>600 – 900</b>
<b>Colour</b>				<b>black</b>
<b>Flash point</b>		DIN ISO 2592	°C	<b>&gt; 140</b>
<b>Ignition point</b>		DIN 51794	°C	<b>Approx. 450</b>
<b>Boiling range</b>		DIN 51761	°C	<b>300 – &gt; 500</b>
<b>Vapour pressure</b>	<b>(20°C)</b>	DIN 51754	hPa	<b>&lt; 0,0003</b>
<b>Content of OH-groups</b>			%	<b>0,8 – 1,1</b>
<b>Content of water</b>		DIN 51 777	%	<b>&lt; 0,4</b>

### **Applications:**

*Non-hazardous/non-classified modifier for epoxy formulations and polyurethane formulations  
To use in black coloured formulations as replacement for coal tar and pitch*

*Tackifier*

*Improves corrosion protection (rust protection) and concrete protection*

*Hydrophobic modifier for epoxy resins and polyurethane*

*Non-reactive with epoxy resins and curing agents of epoxy systems*

*Partly reactive with polyurethane (isocyanate)*

01.03.2017

TRG Cyclamin GmbH BU TINGO  
Hohendorfer Str. 20  
D-39218 Schönebeck  
Germany

Telephone: +49 (0) 3928 787080  
Fax: +49 (0) 3928 787088  
E-mail: [trg@trg-cyclamin.de](mailto:trg@trg-cyclamin.de)  
Homepage: [www.tingo.de](http://www.tingo.de)