

**SIN RUBTECH<sup>®</sup> POLYMER BOUND  
PREDISPERSED TiO<sub>2</sub> – 80G****Product Description**

Composition:	A proprietary predispersed 80% rutile Titanium Dioxide in a 20% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	White Granules.
Density:	Approx. 2.12 g/cm <sup>3</sup> .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: ( of active TiO <sub>2</sub> )	~ 1800 °C
Storage Stability:	At least 2 years under normal storage conditions.
Packing:	20 kg nett in sealed PE bag in a carton box.

**Recommendations and Applications**

Polymer bound predispersed TiO<sub>2</sub>-80G is recommended when a more eco friendly material, higher productivity and better dispersions required. This often translates to lower bottom-line costing.

The active ingredient is a rutile grade titanium dioxide with a higher refractive index (whitening power) of 2.75 than anatase with refractive index 2.50. In general 80 parts of a rutile grade can replace 100 parts of an anatase grade. Our TiO<sub>2</sub>-80G is very inert to weathering and does not undergo chalking effects. The active ingredient does not affect cure behaviors of final compounds.

TiO<sub>2</sub>-80G can be used by itself to produce very white - white colours or used in small amounts as a base to produce pastille shade colours.

TiO<sub>2</sub>-80G is excellent for blown midsoles or outsides where fine regular size cells are required without undispersed pips.

**Dosage**

Depending on whiteness requirement in a given formulation, dosage can vary from 2 PHR to 30 PHR.

Note: For more information, see our website Musing With Sin Item 8

Source of powder is from Huntsman-Tioxide

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