

# Polybond™ 3200

## Polymer Modifier

**POLYBOND™ 3200** is a maleic anhydride modified polypropylene homopolymer.

**CAS Number 9003-07-0**

### Typical Physical Properties of Polybond™ 3200

Property	Typical Value	Test Based On
Appearance	Off-white Pellet	Visual
Melt Flow Rate @ 190°C, 2.16Kg	115 g/10 min	ASTM D-1238
Maleic Anhydride Content	High*	ASTM D-6047
Specific Gravity @ 23°C	0.91 g/cm <sup>3</sup>	ASTM D-792
Bulk Density	0.6 g/ cm <sup>3</sup>	ASTM D1895B
Melting Point	157°C	DSC

\* **High = Maleic Anhydride Content typically in the range of 0.8 to 1.2%.**

### Applications

Feature	Benefit
High efficiency coupling agent for glass-filled Polypropylene	Improved physical properties including strength properties
	Lower addition levels can be used than with other <b>Polybond™</b> products
Coupling agent for Cellulose fiber-filled Polypropylene	Reduced water uptake & higher flexural/tensile strengths
Compatibilizer for Polypropylene/Polyamide Blends	Improved processing & enhanced strength properties
Coupling agent for mineral filler in Polypropylene	Improves strength & impact properties
Well suited for tie-layers	Low viscosity & high level of functionality

### Food Contact

For details please contact SI Group Regulatory Affairs

### Regulatory Status

The components of **Polybond™ 3200** are listed on USA TSCA inventory. For information on other inventory listings, see Section 15 (Regulatory Information) of the MSDS for **Polybond™ 3200**.

**Storage & Handling Precautions**

Keep **Polybond™ 3200** dry prior to processing. Loss of anhydride functionality may occur due to conversion to acid groups by reaction with atmospheric moisture. Tie liners of open gaylords when not in use to prevent exposure to moisture. If exposure occurs, **Polybond™ 3200** can be dried in a hopper dryer or oven for three hours at 105°C to remove moisture.

A slight pungent odor is normal during processing of **Polybond™ 3200**. Purge equipment with polypropylene before and after running **Polybond™ 3200**.

**For additional handling and toxicological information consult the SI Group Material Safety Data Sheet**