

Polybond™ 7200

Developmental Polymer Modifier

POLYBOND™ 7200 is a maleic anhydride modified polypropylene homopolymer.

CAS Number 9003-07-0

Typical Physical Properties¹ of POLYBOND™ 7200

Property	Typical Value	Test Based On
Appearance	Off-white Pellet	Visual
Melt Flow Rate @ 190°C, 2.16Kg	250 g/10 min	ASTM D-1238
Maleic Anhydride Content	Very High ²	ASTM D-6047
Density @ 23°C	0.91 g/cm ³	ASTM D-792
Bulk Density	0.6 g/ cm ³	ASTM D-1895B
Melting Point	160-170°C	DSC

- 1. Developmental Product – When commercialized, properties may not be identical to those reported above.**
- 2. Very High = Maleic Anhydride Content typically in the range of 1.5 to 1.9%.**

Applications

- Additive for non-woven polypropylene providing improved adhesion to printing inks when used with a primer
- High efficiency coupling agent for cellulose fiber-filled polypropylene leading to reduced water uptake and higher flexural/tensile strengths
- Coupling agent for mineral-filled polypropylene offering improved strength and impact properties

Food Contact

For details please contact SI Group Regulatory Affairs

Regulatory Status

The components of **POLYBOND™ 7200** are listed on USA TSCA inventory. For information on other inventory listings, see Section 15 (Regulatory Information) of the MSDS for **POLYBOND™ 7200**.

Storage & Handling Precautions

Keep **POLYBOND™ 7200** 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 boxes when not in use to prevent exposure to moisture. If exposure occurs, **POLYBOND™ 7200** 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™ 7200**. Purge equipment with polypropylene before and after running **POLYBOND™ 7200**.

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

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