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^3	ASTM D-792
Bulk Density	0.6 g/ cm^3	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 **Polybond™** 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	Improved strength & impact properties
Well suited for tie-layers	Low viscosity & high level of functionality

Food Contact & Regulatory Status

For details please contact SI Group Regulatory Affairs

SI Group Inc., SI Group, Inc. 1790 Hughes Landing Blvd., Suite 600 The Woodlands, TX 77380 PH: 518.347.4200
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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. Seal open bags/bulk packs 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 odour 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

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