



## Technical Data Sheet

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### RiKAFAST® DXG: Free-Flowing DMDBS based clarifying agent for polypropylene

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#### Product Description:

RiKAFAST DXG is a free-flowing low melting point high-performance sorbitol based clarifier. It imparts superior clarity and enhanced physical properties to polypropylene homopolymer and random copolymer. Utilising NJC's low melt technology RiKAFAST DXG melts at a much lower temperature than standard DMDBS resulting in faster incorporation into the polymer melt, eliminating white spots.

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**Chemical Name:** Bis(3,4-dimethyldibenzylidene) sorbitol (DMDBS)  
1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol

**CAS Number:** 135861-56-2

**Molecular Weight:** 414.5

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**Applications:** Conversion: Injection Moulding, Blow Moulding, Thermoforming  
End product: Packaging, houseware articles, food containers, cups, bottles, trays.

#### Features / Benefits:

RiKAFAST DXG's overall performance is similar to that of the DMDBS industry standard for the past 20 years. NJC's proprietary production process has produced a microgranule of DMDBS with free-flowing powder properties resulting in no white spots and excellent haze values.

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#### Guidelines for use:

RiKAFAST DXG can be used in concentration between 0.18% and 0.4% in polypropylene homopolymer and random copolymer.

Recommended processing temperature range: 200 - 240°C

Best suitable polymer: Polypropylene

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**Physical properties:**                      Physical form: White microgranule

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**Handling & Safety:**

In accordance with good industrial practice handle with care and prevent contamination of the environment.

Avoid dust formation and ignition sources.

For more detailed information, refer to the MSDS.

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**Registration:**                                      RiKAFast DXG is listed in the following inventories:

Europe: ELINCS / REACH

USA: TSCA

Japan: MITI

Canada: DSL

Australia: AICS

Korea: ECL

China: IECSC

Philippines: PICC

RiKAFast DXG is approved in many countries for use in food contact applications. For detailed information contact our sales office.