

# TECHNICAL DATA SHEET

## **POLYBATCH® NA 10944**

**POLYBATCH® NA 10944** is an Advanced Performance nucleating/clarifying masterbatch based in homopolymer polypropylene. This product is designed to efficiently increase the rate of crystallization to yield finished articles with excellent mechanical and optical properties in film and moulding applications.

These property enhancements include increased transparency, gloss, flexural modulus, heat deflection temperature, high thermal stability, and, **very important : NO cast chill-roll plate out.**

**POLYBATCH® NA 10944** can also improve injection moulding cycle times.

### **PROPERTIES**

MFI (230/2.16)	10 gr/10'
Moisture content	max 1000 ppm
Bulk Density	550 gr/l
Specific Gravity	0.935 gr/cc
Colour	whitish pellets

These are typical properties only and are not to be regarded as sales specification.

### **USAGE**

**POLYBATCH® NA 10944** is typically used at 2 to 3 % addition levels depending on customer specific application requirements.

	Peak Recrystallization Temperature of PP Homo ( °C )	Flexural Modulus (Mpa)	Haze (0.80 mm sheet )
0 % <b>Polybatch® NA 10944</b>	110	1520	58
1 % <b>Polybatch® NA 10944</b>	125	1950	32
2 % <b>Polybatch® NA 10944</b>	128	2080	28
3 % <b>Polybatch® NA 10944</b>	130	2100	21

### **FOOD APPROVAL**

**POLYBATCH® NA 10944** can be used for food packaging according FDA and BgVV at max. 2.5 % addition level. Detailed information available upon request.

### **PACKAGING & STORAGE**

**POLYBATCH® NA 10944** is packed in 25 kg moisture-proof bags on shrink-wrapped pallets.

**POLYBATCH® NA 10944** can be stored up to maximum 12 months at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.

Users should undertake sufficient verification and testing to determine the suitability for their own purpose of any information or products referred to herein.

Reported values pertain only to natural resins : pigmenting may vary properties.

NOTE : While the information herein is believed to be reliable and correct, nothing herein is intended and should not be construed as a representation or warranty, expressed or implied, as to results obtained or to be obtained by others who may make use of this information or with respect to the absence, existence or validity of patent rights, if any of others involving any composition or process herein referred to ; or an inducement or recommendation for the violation of any such patent rights; and responsibility and liability therefore is disclaimed.