

PLEXIGLAS® Hi-Gloss NTX-8

Product Profile:

PLEXIGLAS® NTX-8 is an amorphous thermoplastic molding compound (PMMA).

In addition to the typical properties of PLEXIGLAS® molding compounds like:

- high mechanical strength, surface hardness and abrasion resistance
- very good weather resistance
- very good polishable

PLEXIGLAS® NTX-8 does have the following features:

- increased wipe resistance
- significantly increased flowing properties
- increased demoulding
- less tendency to create weld lines

PLEXIGLAS NTX-8 is available in coloured state only.

Application:

PLEXIGLAS® NTX-8 is particularly suitable for injection molding of technical components. Owing to its superior brilliance, high-gloss (Class A) black surfaces can be obtained without an expensive painting process.

Due to the improved flowing properties NTX-8 is suitable for sandwich molding of e.g.

B-pillar covers or decorative trim parts for automotive interior.

Examples:

ad-on automotive trim parts, pillar covers, mirror housings, interior decorative trim parts etc.

Processing:

PLEXIGLAS® NTX-8 can be processed on injection molding machines with 3-zone general purpose screws for engineering thermoplastics. Good pre-drying must be ensured.

The wipe resistance can be improved by processing the material at high melt temperature and low injection speed.

Physical Form / Packaging:

PLEXIGLAS® molding compounds are supplied as pellets of uniform size, packaged in 25 kg polyethylene bags or in 500 kg boxes with PE lining; other packaging on request.

Properties:

	Parameter	Unit	Standard	PLEXIGLAS® Hi-Gloss NTX-8
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	3300
Yield Stress	50 mm/min	MPa	ISO 527	67
Yield Strain	50 mm/min	%	ISO 527	4.5
Nominal Strain @ Break		%	ISO 527	3.9
Charpy Impact Strength	23°C	kJ/m ²	ISO 179/1eU	18
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	104
Temp. of Deflection under Load	1.8 MPa	°C	ISO 75	98
Rheological Properties				
Melt Volume Rate, MVR	230°C / 3.8kg	cm ³ /10min	ISO 1133	5
Other Properties				
Recommended Processing Conditions				
Predrying Temperature		°C		max. 90
Predrying Time in Desiccant-Type Drier		h		2 - 4
Mold Temperature (Injection Molding)		°C		60 - 90

All listed technical data are typical values intended for your guidance. They are given without obligation and do not constitute a materials specification.

Certified to ISO 9001:2015, ISO 14001:2015 and IATF 16949:2016.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Röhm is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the ACRYLITE® trademark in the Americas.

® = registered trademark

PLEXIGLAS and PLEXIMID are registered trademarks of Röhm GmbH.

Röhm GmbH • Dolivostraße 17 • 64293 Darmstadt
plexiglas.polymers@roehm.com
www.plexiglas-polymers.com
www.roehm.com

Ref. No.: MC252-E A1142 Date: 2019-08-27