

PLEXIGLAS® Hi-Gloss NTX-15

Product Profile:

PLEXIGLAS® NTX-15 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-15 do have the following features:

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

PLEXIGLAS NTX-15 is available in coloured state only.

Application:

PLEXIGLAS® NTX-15 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-15 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-15 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-15
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	3400
Yield Stress	50 mm/min	MPa	ISO 527	63
Yield Strain	50 mm/min	%	ISO 527	-
Nominal Strain @ Break		%	ISO 527	1.9
Charpy Impact Strength	23°C	kJ/m ²	ISO 179/1eU	15
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	109
Temp. of Deflection under Load	1.8 MPa	°C	ISO 75	102
Rheological Properties				
Melt Volume Rate, MVR	230°C / 3.8kg	cm ³ /10min	ISO 1133	6
Other Properties				
Recommended Processing Conditions				
Predrying Temperature		°C		100
Predrying Time in Desiccant-Type Drier		h		4 – 6
Mold Temperature (Injection Molding)		°C		70 – 95

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.

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