

NAX9

Polypropylene Thermoplastic Olefin (TPO) / Extrusion Application

PRODUCT DESCRIPTION

NAX9 is a Polypropylene thermoplastic olefin (TPO) with the characteristic of transparency and soft feel for extrusion application.

TYPICAL APPLICATION

- Extrusion blown film
- Extrusion cast film
- Extrusion blow molding (EBM)
- Extrusion sheet

PRODUCT FEATURES

- High rubber
- Transparency
- Soft feel
- Low temperature resistance

COMPLIANCE

- FDA US 21 CFR 177.1520
- RoHS
- REACH

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Flow Index (2.16 kg/230 °C)	ASTM D1238	g/10 min	0.5
Density	ASTM D792	g/cm ³	0.88
Tensile Strength at Yield	ASTM D638	MPa	17
Tensile Strength at Break	ASTM D638	MPa	25
Elongation at Yield	ASTM D638	%	41
Elongation at Break	ASTM D638	%	550
Izod Notched Impact Strength (at 23 °C)	ASTM D256	J/m	NB
Izod Notched Impact Strength (at -20 °C)	ASTM D256	J/m	900
Flexural Modulus (1% SECANT)	ASTM D790	MPa	500
Heat Distortion Temperature (0.45 MPa)	ASTM D648	°C	55

Remark: The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

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PROCESSING TECHNIQUE

Sheet extrusion: Surface appearance, sheet width & thickness depends on machine type and processing condition

Barrel temperature range : 210 - 240 °C

Die Temperature : 230 - 240 °C

Chill roll temperature : 20 - 60 °C

Cast film:

Barrel temperature range : 250 - 270 °C

Chill roll temperature : 20 °C

Thermoforming: Product clarity and surface appearance depends on sheet quality, machine type and processing parameter

- Sheet temperature before forming : 150 - 165 °C

*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

PRODUCT PACKAGING

- 25 kg loose bag
- 25 kg stretch wrap on palletized

STORAGE

Storage in 20 - 80% relative humidity at ambient temperature preferably not higher than 38 °C (100 °F).

Dry environment with the exclusion of contamination.

Protection against direct sunlight, radiation and artificial light containing UV-Radiation.

Protection from ozone-generating electrical devices.

Under these optimal conditions, the physical properties of resins should remain stable with the exception of the yellowness index which is expected to increase over time.

More information provide in safety data sheet.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.