

Terblend N NG-03

Acrylonitrile Butadiene Styrene / Polyamide (ABS/PA)

TECHNICAL
DATASHEET

DESCRIPTION

Terblend N NG-03 is a 15% glass fiber reinforced ABS/PA blend with high dimensional stability and rigidity.

FEATURES

- Very high dimensional stability
- Very high rigidity
- High softening temperature
- Glass fiber reinforced (15%)

APPLICATIONS

- Automotive parts
- Housings

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate, 240 °C/10 kg	ISO 1133	cm ³ /10 min	25
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m ²	9
Izod Notched Impact Strength, -30 °C	ISO 180/A	kJ/m ²	5
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m ²	8
Tensile Stress at Yield, 23 °C	ISO 527	MPa	60
Tensile Strain at Yield, 23 °C	ISO 527	%	3.2
Tensile Modulus	ISO 527	MPa	4000
Elongation at Break (MD)	ISO 527	%	3.2
Flexural Strength, 23 °C	ISO 178	MPa	100
Flexural Modulus, 23 °C	ISO 178	MPa	3500
Hardness, Ball Indentation	ISO 2039-1	MPa	100
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	111
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	100
Heat Deflection Temperature, B (0.45 MPa)	ISO 75	°C	164
Electrical Properties			

Terblend N NG-03

Acrylonitrile Butadiene Styrene / Polyamide (ABS/PA)

TECHNICAL
DATASHEET

Property, Test Condition	Standard	Unit	Values
Dissipation Factor (1 MHz)	IEC 62631-2-1	10 ⁻⁴	130
Relative Permittivity (1 MHz)	IEC 62631-2-1	-	2.9
Volume Resistivity	IEC 62631-3-1	Ohm*m	10000000000000
Surface Resistivity	IEC 62631-3-1	Ohm	100000000000000
Other Properties			
Density	ISO 1183	kg/m ³	1180
Moisture Absorption, Equilibrium 23 °C/50% RH	ISO 62	%	0.9
Filler Content (% Ash)	-	%	16
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.4
Melt Temperature Range	ISO 294	°C	240 - 270
Mold Temperature Range	ISO 294	°C	40 - 80

Typical values for uncolored products

Please note that all processing data stated are only indicative and may vary depending on the individual processing complexities.

Please consult our local sales or technical representatives for details.

DISCLAIMER

The above mentioned data are accurate to the best of our knowledge. They are based upon reputable labs and industry standard testing methods. These are only typical values and actual product specification may deviate at industrial range. Therefore, no data in this technical data sheet shall constitute a warranty or representation regarding product features, fitness of the product for a specific purpose or application or its processability. INEOS Styrolution disclaims all liability in connection therewith. The customer himself is required to verify whether or not the product is suitable for the further processing or application intended and whether or not the product complies with the relevant statutory requirements. Unless explicitly and individually otherwise agreed in writing, INEOS Styrolution's sole and exclusive liability with respect to its products is set forth in INEOS Styrolution's General Terms and Conditions for Sale.