

Product Texts

HiDura S2X NT is a medium viscosity PA610 grade with 62% bio-based content. It is suitable for monofilament, film, and general purpose injection molding applications. PA610 offers a unique balance of thermal, mechanical, and physical properties.

Processing/Physical Characteristics

	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.8 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.6 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties

	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2100 / 1100	MPa	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5.7 / 9.1	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6.9 / 4.5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	225 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	50 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	128 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties

	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	33 / 28	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties

	dry / cond	Unit	Test Standard
ISO Data			
^[C] Density	1070 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion, Casting

Delivery form

Pellets, Natural Color

Certifications

Contains renewable resources

Applications

General Purpose, Monofilament

Regional Availability

North America, Europe, Asia Pacific