

**Product Texts**

HiDura PTR 842A NT0733 is a high-viscosity polyamide copolymer resin designed for extrusion applications. This product is available in natural only. It offers a well-balanced combination of properties characterized by high melt point, high strength, flexibility, toughness, and good chemical resistance. Its reduced crystallization rate vs PA66 combined and high melt point make it an ideal solution for film applications requiring good process-ability and high heat resistance.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	1.8 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2700 / 1200	MPa	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	5.4 / 10	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	4.9 / 4.5	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	253 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	2.2 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	2.3 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1130 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	261 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Other Extrusion

**Features**

Copolymer

**Delivery form**

Pellets, Natural Color

**Chemical Resistance**

General Chemical Resistance

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific