+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
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HiDura™ PTR 75HB NT0679

copolyamide 66/6

HiDura PTR 75HB NT0679 is a high-viscosity, heat-stabilized polyamide copolymer resin designed for extrusion applications. This product is available in natural only. It offers a well-balanced combination of engineering properties characterized by high melt point, high strength and flexibly, toughness and good chemical resistance. Specifically, its reduced crystallization, high melt point and heat stabilization make it a great solution for films being used in cooking or autoclave curing applications.

General

Regional Availability	• North America	• Europe	• Asia Pacific
Features	• Chemical Resistant	• Good Toughness	• High Melt Stability
	• High Rigidity	• High Strength	• Medium-High Viscosity
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Other Extrusion		

Physical	dry	cond.	Unit	Test Standard
Density	1.13	-	g/cm³	ISO 1183
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	2.4	*	%	
Water Absorption, Saturation, 23°C	11		%	ISO 62
Relative Viscosity, Sulphuric Acid	4.1		-	ISO 307
Relative Viscosity, Formic Acid	≥ 165		-	ASTM D 789
Moisture Content	≤ 0.1		%	ASTM D 6869

Mechanical	dry	cond.	Unit	Test Standard
Tensile Stress (Yield, 23°C)	78	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	170	-	%	ISO 527-2
Flexural Strength (23°C)	84	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Charpy Notched Impact Strength, +23°C	7	-	kJ/m²	ISO 179/1eA

Thermal	dry	cond.	Unit	Test Standard
Melting Temperature	243	*	°C	ISO 11357-3

Injection	Value	Unit
Drying Temperature	70 - 80	°C
Drying Time	4	h

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Extrusion	Value	Unit
Cylinder Zone 1 Temp	275 - 290	°C
Cylinder Zone 2 Temp	275 - 290	°C
Cylinder Zone 3 Temp	270 - 285	°C
Cylinder Zone 4 Temp	260 - 275	°C
Cylinder Zone 5 Temp	255 - 270	°C
Melt temperature	270 - 290	°C
Die temperature	270 - 290	°C