

HiDura™ PTR 840CL

Ascend Performance Materials Operations LLC - Polyamide 66/6 Copolymer

General Information

Product Description

HiDura 840CL is a polyamide 66/6 copolymer grade. This grade exhibits a combination of high melt strength, high melt temperature, and good processability on monolayer or multilayer film processes.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Lubricant		
Features	• Chemical Resistant • Copolymer	• High Melt Strength • High Viscosity	• Lubricated
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Film Extrusion • Thermoforming	
Resin ID	• PA66/6		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Water Absorption (Saturation, 73°F)	9.0	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	2.7	%	ISO 62
Relative Viscosity ²	4.00		ISO 307
Moisture Content	< 0.10	%	ASTM D6869
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	446	°F	ISO 11357-3

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	509 to 536	°F
Cylinder Zone 2 Temp.	509 to 536	°F
Cylinder Zone 3 Temp.	500 to 527	°F
Cylinder Zone 4 Temp.	482 to 518	°F
Cylinder Zone 5 Temp.	473 to 509	°F
Melt Temperature	500 to 536	°F
Die Temperature	500 to 536	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Sulphuric Acid

