



Creamid® B3H7GZ2*9000

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.50	%	
Water Absorption (24 hr, 73°F)	0.50	%	ISO 62
Water Absorption (Saturation, 73°F)	5.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.46E+6	psi	ISO 527-1
Tensile Stress (Break)	23200	psi	ISO 527-2
Tensile Strain (Break)	4.9	%	ISO 527-2
Flexural Modulus (73°F)	1.16E+6	psi	ISO 178
Flexural Stress	29000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	9.5	ft·lb/in ²	ISO 179
Charpy Unnotched Impact Strength (73°F)	48	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	9.5	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	428	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	392	°F	ISO 75-2/A
Vicat Softening Temperature			
--	410	°F	ISO 306/B
--	428	°F	ISO 306/A
Melting Temperature	432	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Nozzle Temperature	518	°F
Processing (Melt) Temp	491 to 527	°F
Mold Temperature	158 to 212	°F

Notes

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