



Creamid® C3H2ZC*800

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Impact Modified		
Forms	• Pellets		
Resin ID (ISO 1043)	• PA66-I		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07		ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 0.0787 in	1.4	%	
Flow : 0.0787 in	1.3	%	
Water Absorption (24 hr, 73°F)	2.0	%	ISO 62
Water Absorption (Saturation, 73°F)	7.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	247000	psi	ISO 527-2
Tensile Stress (Yield)	6530	psi	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	218000	psi	ISO 178
Flexural Stress	6530	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	38	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Notched Izod Impact Strength	37	ft·lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	496	°F	ISO 11357-1, -2, -3

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	518 to 554	°F
Mold Temperature	194 to 230	°F

Notes

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