



Recyclon BG13H BK100

Teknor Apex Company - Polyamide 6

General Information

Product Description

BG13H BK100 is a general purpose, recycled (100% post consumer), glass filled injection molding grade of PA 6.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight
Recycled Content	• Post-Consumer (PCR), 100%
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage - Flow ²	0.40 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	783000	psi	ISO 527-1
Tensile Stress	13100	psi	ISO 527-2
Tensile Strain (Break)	3.7	%	ISO 527-2
Flexural Modulus	653000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179
Notched Izod Impact Strength			ISO 180
-22°F	1.4	ft·lb/in ²	
73°F	1.9	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	365	°F	
Melting Temperature	424	°F	ISO 11357-3

Notes

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

² Is dependent on molding conditions particularly mold temperature.