



Recyclon BG43H BK100

Teknor Apex Company - Polyamide 6

General Information

Product Description

BG43H 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, 43% 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	1.49	g/cm ³	ISO 1183
Molding Shrinkage - Flow ²	0.10 to 0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.81E+6	psi	ISO 527-1
Tensile Stress	23200	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	1.52E+6	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in ²	ISO 179
Notched Izod Impact Strength			ISO 180
-22°F	3.8	ft·lb/in ²	
73°F	4.3	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	392	°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.