



Recyclon AG33H BK050

Teknor Apex Company - Polyamide 66

General Information

Product Description

AG33H BK050 is a general purpose, recycled (50% post consumer), glass filled injection molding grade of PA 6,6.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight
Recycled Content	• Post-Consumer (PCR), 50%
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage - Flow ²	0.20 to 0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.67E+6	psi	ISO 527-1
Tensile Stress	23900	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	1.19E+6	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in ²	ISO 179
Notched Izod Impact Strength			ISO 180
-22°F	2.9	ft·lb/in ²	
73°F	3.8	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	442	°F	
Melting Temperature	491	°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.