



Recyclon AG43H BK050

Teknor Apex Company - Polyamide 66

General Information

Product Description

AG43H 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, 43% 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	1.50	g/cm ³	ISO 1183
Molding Shrinkage - Flow ²	0.15 to 0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.05E+6	psi	ISO 527-1
Tensile Stress	27600	psi	ISO 527-2
Tensile Strain (Break)	3.2	%	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	4.8	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	437	°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.