



HYLAC® GP55

Ravago Manufacturing Americas - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

Product Description

ABS, General Purpose, Medium Impact

General

Material Status	• Commercial: Active
Availability	• North America
Features	• General Purpose • Medium Impact Resistance
Uses	• General Purpose
RoHS Compliance	• RoHS Compliant
UL File Number	• E157012
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate			ASTM D1238
200°C/5.0 kg	1.5	g/10 min	
220°C/10.0 kg	17	g/10 min	
230°C/3.8 kg	5.6	g/10 min	
Molding Shrinkage - Flow (0.125 in)	0.30 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	6530	psi	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	350000	psi	ISO 178
Flexural Stress	10200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	ft-lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	207	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	189	°F	ISO 75-2/A
Vicat Softening Temperature	212	°F	ISO 306
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		HB	
0.12 in		HB	

Notes

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