

Integra™ ABS 6030 GP

PolySource, LLC - Acrylonitrile Butadiene Styrene

General Information

Product Description

General Purpose, High Flow ABS

General

Material Status	• Commercial: Active
Availability	• North America
Features	• General Purpose • High Flow
Uses	• General Purpose

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	5.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	6830	psi	ASTM D638
Flexural Modulus (73°F)	327000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	9530	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	4.0	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F, 0.250 in)	112		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed, 0.250 in)	201	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	187	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 5.0	hr
Processing (Melt) Temp	356 to 464	°F

Notes

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

