

Integra™ ASA 2000 Lxxx

PolySource, LLC - Acrylonitrile Styrene Acrylate

General Information

Product Description

ASA, UV Stabilized, Hi Gloss & Impact, Various Colors

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• UV Stabilizer
Features	• High Gloss • High Impact Resistance • UV Stabilized
Appearance	• Colors Available
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	4.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	6260	psi	ASTM D638
Flexural Modulus (73°F)	398000	psi	ASTM D790
Flexural Strength (73°F)	11200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (73°F, 0.250 in)	2.6	ft·lb/in	ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	103		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.500 in)	198	°F	ASTM D648
Vicat Softening Temperature	225	°F	ASTM D1525
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 3.0	hr
Mold Temperature	104 to 176	°F
Injection Pressure	9960 to 15600	psi

Notes

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

