



HYLEX® P1035ILLG

Ravago Manufacturing Americas - Polycarbonate

Monday, November 4, 2019

General Information

Product Description

Polycarbonate, High Flow, Medium Impact

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (300°C/1.2 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.60 to 0.80	%	ISO 294-4
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	8270	psi	ISO 527-2
Tensile Strain (Break)	100	%	ISO 527-2
Flexural Modulus	300000	psi	ISO 178
Flexural Stress	10300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	17	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	243	°F	ISO 306
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		UL 94

Notes

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