



Hylex® P1018FRVNHE

Ravago Manufacturing Americas, LLC - Polycarbonate

Friday, 12 September 2014

General Information

Product Description

Polycarbonate, 18 Melt Flow, Flame Retardant, Non Halogenated

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant
Features	• Flame Retardant • Halogen Free • High Flow
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM and ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	8700	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	325000	psi	ASTM D790
Flexural Strength	14000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	11	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	221	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	194	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.0591 in		V-0	
0.118 in	•	V-0	
	•	5VA	

Notes

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