Hylex® P1317L

PC — Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**17**	g/10min	ASTM D 1238
Temperature	**300**	°C	-
Load	**1.2**	kg	-
Mold Shrinkage, MD	**0.006**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	**69.6**	MPa	ASTM D 638
Elongation at Break	**120**	%	ASTM D 638
Flexural Modulus	**2340**	MPa	ASTM D 790
Flexural Strength	**93.1**	MPa	ASTM D 790
Rockwell Hardness	**M 80**	-	ASTM D 785
Izod Impact notched, 1/8 in	**750**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**6.0**	mm	-
ASTM Data			
UL 94 Flame rating	**V-2**	-	UL 94
Thickness tested	**3**	mm	-
DTUL @ 66 psi	**141**	°C	ASTM D 648
DTUL @ 264 psi	**129**	°C	ASTM D 648
Vicat Temperature	**154**	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**16**	kV/mm	ASTM D 149
Volume Resistivity	**>1E15**	Ohm*cm	ASTM D 257
Arc Resistance	**120**	s	ASTM D 495

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	**0.65**	%	ASTM D 1003
Light Transmittance	**90**	%	ASTM D 1003
Index of Refraction	**1.58**	-	ASTM D 542

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**0.15**	%	ASTM D 570
Density	**1200**	kg/m³	ASTM D 792

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Additives
Release agent

Special Characteristics
U.V. stabilized or stable to weather

Applications
General Purpose

Regional Availability
North America