ENTEC HYLEX® P1025L1 Entec Polymers - Polycarbonate

Thursday, October 10, 2019

	General Information		
Product Description			
POLYCARBONATE, HIGH FL	OW, CLEAR EDGE TINT		
General			
Material Status	Commercial: Active		
Availability	North America		
Features	High Flow		
Appearance	Clear/Transparent		

ASTM & ISO Properties ¹				
Physical	Nominal Value	Unit	Test Method	
Density / Specific Gravity	1.20		ASTM D792	
Melt Mass-Flow Rate (300°C/1.2 kg)	25	g/10 min	ASTM D1238	
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	ASTM D955	
Water Absorption (24 hr)	0.15	%	ASTM D570	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength (Yield, 73°F)	9250	psi	ASTM D638	
Tensile Elongation (Break, 73°F)	130	%	ASTM D638	
Flexural Modulus (73°F)	327000	psi	ASTM D790	
Flexural Strength (73°F)	13400	psi	ASTM D790	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact (73°F, 0.125 in)	15	ft·lb/in	ASTM D256	
Thermal	Nominal Value	Unit	Test Method	
Deflection Temperature Under Load			ASTM D648	
264 psi, Unannealed	271	°F		
Flammability	Nominal Value	Unit	Test Method	
Flame Rating			UL 94	
0.06 in	V-2			
0.12 in	V-2			

Notes

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



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