



1000 Spiral Boulevard  
 Hastings, MN 55033  
 Phone: 651.437.7700  
 Fax: 651.437.3805

## Polycarbonate

### DESCRIPTION:

Polycarbonate provides a good balance of stiffness, impact resistance, abrasion resistance, high & low temperature performance, and colorability. Available as a natural colored, colorable compound.

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
<b>PHYSICAL</b>			
Rockwell Hardness	118	R scale	D-785
Specific Gravity	1.20		D-792
Melt Flow Rate (300°C, 1.2 kg)	2.5	g/10 min	D-1238
<b>MECHANICAL</b>			
Flexural Modulus	340,000	psi	D-790
Flexural Strength	13500	%	D-790
Tensile Strength @ yield	9000	psi	D-638
Tensile Modulus @ yield	4530	psi	D-638
Notched Izod Impact @ 23°C	14.0	ft-lb/in	D-256
<b>THERMAL</b>			
Heat Deflection Temp			D-648
0.250" @ 64 psi	280	° F	
0.250" @ 264 psi	270	° F	
Coefficient of Linear Thermal Expansion	$3.8 \times 10^{-5}$	in/in/°F	E-831
Brittleness Temp	-200	° F	D-746

The information provided above is based on typical values, and is believed to be reliable. No warranty is given as to the suitability of the product for a particular application. Determination of the suitability of this product for any use is solely the responsibility of the user.