

## NAXELL™ PC429MHI

Impact Modified, Med. MFR, Polycarbonate, EZ flow, Good Property Retention, Heat and Dimensional Stability

PC429MHI is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications. Further information and details are available upon request.

### Typical ASTM Properties

Properties	Test Method	English Units		S.I. Units	
<b>GENERAL</b>					
Specific Gravity	D 792	NA	1.19	NA	1.19
Melt Flow Rate (300°C/1.2 kg)	D 1238	g/10 min	12	g/10 min	12
Mold Shrinkage	D 955	in/in	0.005-0.008	%	0.5-0.8
<b>MECHANICAL</b>					
Tensile Strength @ Yield	D 638	psi	8,200	MPa	57
Flexural Strength	D 790	psi	12,500	MPa	86
Flexural Modulus		psi	310,000	MPa	2,139
Izod Impact, notched	D256	ft-lb/in	12	J/m	641
Instrumented Impact Energy	D 3763				
73°F(23°C)		ft-lb	45	J	61
-20°F(-29°C)		ft-lb	50	J	68
<b>THERMAL</b>					
Deflection Temperature, Unannealed	D 648				
264 psi ( 1.82 MPa ), Load		°F	237	°C	114
66 psi ( 0.45 MPa ), Load		°F	255	°C	124
Coefficient of Linear Thermal Expansion	D 696				
-40°C to 35°C(-40°F to 95°F)		in/in-°F	3.6E-05	m/m-°C	6.5E-05

The values shown on the data sheet are typical values that have been obtained on typical MRC materials and are not intended for specification purposes. Information on this data sheet is provided without any warranty or guarantee. Each user of the material should make his own test to determine the suitability of the material for his use. Therefore, it is understood and agreed that the customer assumes and hereby releases MRC Polymers, Inc. from all liabilities, incurred in connection with the use of MRC's products, technical assistance, and information.