

NAXELL™ PC429MHI

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

PC110VL 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/ISO Properties

Properties	Test Method	English Units		S.I. Units		
GENERAL						
Specific Gravity	1183-1A	NA	1.19	NA	1.19	
Melt Flow Rate (300°C/1.2 kg)	1133	g/10 min	12	g/10 min	12	
Mold Shrinkage	D 955	in/in	0.005-0.008	%	0.5-0.8	
MECHANICAL						
Tensile Strength @ Yield	527	psi	8,410	MPa	58	
Flexural Strength	178	psi	12,500	MPa	86	
Flexural Modulus	178	psi	328,860	MPa	2,268	
Izod Impact, notched	180	ft-lb/in.sq	24	KJ/m.sq	50	
Instrumented Impact Energy, 3.2mm, 2.2m/sec	D 3763					
23°C		ft-lb	35	J	47	
-30°C		ft-lb	35	J	48	
THERMAL						
Deflection Temperature, Unannealed	75					
		1.82 MPa	°F	244	°C	118
		0.45 MPa	°F	255	°C	124
Coefficient of Linear Thermal Expansion -30°C to 100°C flow	E 831					
		with	xE-06/°F	41.3	xE-06/°C	74.4
flow		cross	43.4		78.1	

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.