

Typical Properties of Thermoplastics

NAXELL™ PC117MH
General Purpose Medium High MFR Polycarbonate

PC117MH is available in natural and custom colors, internal and external lubricants, UV stabilized and other modifications. Further information and details are available upon request.

Properties	Test Method	English	Units	S.I.	Units	
PHYSICAL						
Specific Gravity	D 792	NA	1.2	NA	1.2	
Mold Shrinkage	D 570	in/in	0.005-0.007	%	0.5-0.7	
Water Absorption @ 73F (23C), 24 hrs	D 955	%	0.15	%	0.15	
Melt Flow Rate @ 300C / 1.2kg	D 1238	g/10min	17	g/10min	17	
MECHANICAL						
Tensile Strength @ Yield	D 638	Psi	9,000	MPa	62	
Tensile Elongation @ Break	D 638	%	60	%	60	
Flexural Strength.	D 790	Psi	14,000	MPa	96	
Flexural Modulus.	D 790	psi	340,000	MPa	2,343	
THERMAL						
Deflection Temperature	D 648					
		264 psi (1.82 MPa), Load	°F	258	°C	125
		66 psi (0.45 MPa), Load	°F	275	°C	135

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.