

## NAXALOY 770GF16

### Acrylonitrile Butadiene Styrene + PC Alloy Glass Reinforced

Further information and details are available upon request.

#### Typical ASTM Properties

Properties	Test Method	English Units		S.I. Units	
<b>PHYSICAL</b>					
Specific Gravity	D 792	NA	1.24	NA	1.24
Melt Flow Rate @ 230 C / 3.8 kg, nominal	D 1238	g/10min	3.0	g/10min	3.0
Hardness, Rockwell	D 785	R	121	min	121
Mold Shrinkage, Linear Flow	D 955	In/in	0.002-0.003	R	0.2-0.3
Glass Content, by weight	D 785	%	16	%	16
<b>MECHANICAL</b>					
Tensile Strength @ Yield	D 638	Psi	14,000	Mpa	97
Flexural Modulus	D 790	psi	690,000	Mpa	4,762
Flexural Strength @ yield	D 790	psi	21,500	Mpa	148
Izod Impact, notched. 73°F (23°C)	D 256	ft-lb/in	2.0	J/m	107
Izod Impact, unnotched 73°F(23°C)	D 256	ft-lb/in	11	J/m	587
Izod Impact, notched. -22°F (-30°C)	D 256	ft-lb/in	1.8	J/m	96
Instrumented Dart 73°F	D 3763	in-lbs	43	J	5.1
Instrumented Dart -20°F	D 3763	in-lbs	39	J	4.4
<b>Flammability, min</b>	MVSS 302		SE		SE
<b>THERMAL</b>					
Deflection Temperature, 264 psi (1.82 MPa), Load	D 648	°F	264	°C	129
66 psi (0.46 Mpa), Load	D 648	°F	280	°C	138
Vicat Temperature @ 9.8N	D 1525	°F	282	°C	139
@ 49.0N	D 1525	°F	265	°C	129

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.