

NAXALOY 774

Acrylonitrile Butadiene Styrene + PC Alloy

Naxaloy 774 is an alternative to high heat ABS resins. It is an unreinforced, medium flow rate, injection molding grade of PC/ABS with excellent heat resistance and impact resistance. Made from both post-industrial and post-consumer recycle streams, and is available in Black or Natural and is Colorable. Further information and details are available upon request.

Typical ASTM Properties

Properties	Test Method	English Units		S.I. Units	
PHYSICAL					
Specific Gravity	D 792	NA	1.15	NA	1.13
Mold Shrinkage, Flow	D 955	%	0.5-0.7	%	0.5-0.7
Melt Flow Rate @ 230 C / 3.8 kg, nominal	D 1238	g/10min	4.0	g/10min	4.0
Hardness, Rockwell	D 785	R	115	R	115
Water Absorption @ 24 hr	D 570	%	0.15	%	0.15
MECHANICAL					
Tensile Strength @ Yield	D 638	psi	8,516	MPa	58
Tensile Elongation at Break	D 638	%	14	%	14
Flexural Modulus	D 790	psi	358,176	MPa	2,470
Flexural Strength @ yield	D 790	psi	13,021	MPa	90
Izod Impact, notched. 73 ⁰ F (23 ⁰ C)	D 256	ft-lb/in	4.2	J/m	230
THERMAL					
Deflection Temperature,					
66 psi (0.45MPa), Load	D 648	⁰ F	253	⁰ C	123
264 psi (1.82 MPa), Load	D 648	⁰ F	240	⁰ C	115

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.