

NAXALOY® 774

Polycarbonate + ABS

MRC Polymers, Inc.

Message:

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.

General Information			
Recycled Content	Yes		
Features	Good Impact Resistance		
	High Heat Resistance		
	Medium Flow		
Appearance	Black		
	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.0	MPa	ASTM D638
Tensile Strain (Break)	14	%	ISO 527-2
Flexural Modulus	2470	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	123	°C	
1.8 MPa, Unannealed	115	°C	

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