

Micholac D2100

Acrylonitrile Butadiene Styrene

API Polymers, Inc.

Message:

Micholac D2100 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in North America. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	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	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.3	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus - Tangent	2410	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	87.8	°C	
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	232	°C	
Middle Temperature	238	°C	
Front Temperature	243	°C	
Nozzle Temperature	243	°C	
Processing (Melt) Temp	249	°C	
Mold Temperature	54.4	°C	

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