MAGNUM™ 3416 NA

ABS Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**8**	g/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2180**	MPa	ISO 527
Yield stress	**43**	MPa	ISO 527
Yield strain	**3**	%	ISO 527
Flexural modulus, 23°C	**2260**	MPa	ISO 178
Charpy notched impact strength, +23°C	**18**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**11**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**20**	kJ/m²	ISO 180/1A
Izod notched impact strength	**12**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**85**	°C	ISO 75-1/-2
Vicat softening temperature, B	**107**	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	**1050**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**85**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**254 - 271**	°C	-
Mold temperature	**38 - 60**	°C	-
Zone 1	**243**	°C	-
Zone 2	**254**	°C	-
Zone 3	**260**	°C	-
Nozzle temperature	**254**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
North America, South and Central America