MAGNUM™ 3404

ABS Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**6.7**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Melt flow index, MFI	**6.6**	g/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	**1.9**	g/10min	ASTM D 1238
Temperature	**220**	°C	-
Load	**5**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2150**	MPa	ISO 527
Yield stress	**43**	MPa	ISO 527
Yield strain	**2.7**	%	ISO 527
Flexural modulus, 23°C	**2100**	MPa	ISO 178
Flexural strength	**70**	MPa	ISO 178
Charpy notched impact strength, +23°C	**18**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**13**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**19**	kJ/m²	ISO 180/1A
Izod notched impact strength	**11**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-
ASTM Data			
Tensile Modulus	**2100**	MPa	ASTM D 638
Tensile Strength at Yield	**46**	MPa	ASTM D 638
Elongation at Yield	**4.1**	%	ASTM D 638
Flexural Modulus	**2520**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**230**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**101**[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, B	**102**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-
ASTM Data			
Vicat Temperature	**102**	°C	ASTM D 1525

ann.: annealed

Other properties	Value	Unit	Test Standard
Density	**1050**	kg/m³	ISO 1183
Density	**1050**	kg/m³	ASTM D 792

Characteristics

Processing
Sheet Extrusion, Other Extrusion, Thermoforming

Applications
General Purpose

Certifications
Food contact, Food approval FDA 21 CFR

Regional Availability
North America, Europe, Near East/Africa