

MAGNUM™ 3904 Ultra Smooth

ABS

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4.7	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1820	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	2.6	%	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Flexural strength	58	MPa	ISO 178
Charpy notched impact strength, +23°C	34	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	18	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	97 ^[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, B	97	°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	-

ann.: annealed

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Bulk density	650	kg/m ³	-

Characteristics**Processing**

Other Extrusion, Thermoforming

Special Characteristics

High impact or impact modified

Features

Low Gel

Applications

Automotive

Regional Availability

North America, Europe, Near East/Africa