MAGNUM™ 3453

ABS — Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**15**	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	**2280**	MPa	ISO 527
Yield stress	**45**	MPa	ISO 527
Yield strain	**2.5**	%	ISO 527
Flexural modulus, 23°C	**2300**	MPa	ISO 178
Flexural strength	**68**	MPa	ISO 178
Charpy notched impact strength, +23°C	**20**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**10**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**19**	kJ/m²	ISO 180/1A
Izod notched impact strength	**9**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**100**[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/m³	ISO 1183
Bulk density	**650**	kg/m³	-

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Applications

IT / Business Machine, Electrical and Electronical, General Purpose

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa