

**MABLEX® 456**

(PC+ABS)

Ravago Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>10</b>	g/10min	ISO 1133
Temperature	<b>260</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	<b>55</b>	MPa	ISO 527
Stress at break	<b>48</b>	MPa	ISO 527
Strain at break	<b>35</b>	%	ISO 527
Flexural modulus, 23°C	<b>2300</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>60</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>38</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-30</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>107</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>128</b>	°C	ISO 306
Vicat softening temperature, B	<b>120</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.2</b>	mm	-
Burning rate, FMVSS, Thickness 1 mm	<b>48</b>	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	<b>650</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>2</b>	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
Electric strength	<b>24</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>300</b>	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	<b>1120</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Other Extrusion

**Features**

High Gloss

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

Europe