

**Product Texts**

XS compounds are designed for injection molding of parts with a high standard of technical requirements. The most relevant characteristics are the following: High stiffness and strength; small influence on mechanical properties after water uptake Good creep behavior Excellent surface finish Good dimensional stability Low warpage

Flammability @3.2mm nom. thickn.	HB	-
Flammability @1.6mm nom. thickn.	HB	-
Flammability @0.8mm nom. thickn.	HB	-

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	<b>0.1 / *</b>	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	<b>0.3 / *</b>	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>21500 / 18000</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>240 / 195</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>2.5 / 2.9</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>70 / 75</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>11.5 / 13</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6 / *</b>	mm	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>3.8 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>1 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>- / 1710</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

U.V. stabilized or stable to weather

**Delivery form**

Black

**Features**

Creep Resistance, Low Warpage