

**Xuanwu™ XW5101**  
(ABS+PA\*)

Polyalloy Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	240	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	47.1	MPa	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	1864	MPa	ASTM D 790
Flexural Strength	58.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	687	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	54	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	90	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1050	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Special Characteristics**  
High impact or impact modified

**Regional Availability**  
Europe, Asia Pacific