

**ABS Pellet Technical Data Sheet(TDS)**

MECHANICAL PROPERTIES			
Property	Method	Value	
		XY	ZX
Tensile Modulus	ASTM D638	4330MPa	2470MPa
Yield Strength	ASTM D638	69.31MPa	29.35MPa
Breaking Strength	ASTM D638	62.74MPa	30.4MPa
Breaking Elongation Rate	ASTM D638	2.81%	1.84%
Shrink Factor	During Printing	0.65%	0.65%
Izod (Notched)	ASTM D256, @23° C	3.2J/cm	3.2J/cm

THERMAL PROPERTIES		
Property	Method	Value
Heat Deflection Temperature	ASTM D648	83° C
Melt Temperature	N/A	210±2 ° C

OTHER PROPERTIES		
Property	Method	Value
Max Moisture Content for Printing*	Moisture Analyzer	<0.05%

\*Max Moisture Content is dependent on print geometry

Updated on March 31, 2025