

ASA Pellet Technical Data Sheet(TDS)

MECHANICAL PROPERTIES		
Property	Method	Value
Tensile Strength (At Yield)	ASTM D638, 23° C	42MPa
Tensile Elongation At Break	ASTM D638, 23° C	Min 35%
Tensile Modulus	ASTM D638, 23° C	1800MPa
Flexural Strength	ASTM D790, 23° C	64MPa
Flexural Modulus	ASTM D790, 23° C	1900MPa
Izod Impact Strength (Notched)	ASTM D256, 3.2mm,23° C	435J/m
	ASTM D256, 3.2mm,-30° C	60J/m
Rockwell Hardness	ASTM D785 ,R-Scale	92

THERMAL PROPERTIES		
Property	Method	Value
Heat Deflection Temperature	ASTM D648	86° C
VICAT	ASTM D1525, 50N,50° C/h	94° C
Flammability	UL94, 1.5mm	HB
	UL94, 3.0mm	HB

OTHER PROPERTIES		
Property	Method	Value
Density	ASTM D792, 23° C	1.07g/cm ³
Melt Flow Rate	ASTM D1238, 220° C,10kg	5g/10min