

MINGDA AdPETG Tough PDS Property Table

Physical Properties	Test Method	Unit	Value
Density	ASTM D1505	g/cm ³	1.27
Shrinkage Rate	ASTM D955	%	0.2~0.5
Rockness	ASTM D785	R-scale	105
Moisture Content (24hr immersion)	ASTM D570	%	0.13
Mechanical Properties			
Tesile Strength @Yield 50mm/min (2inch/min)	ASTM D638	Mpa(kgf/cm ²)	50(510)
Tesile Strength @Break 50mm/min (2inch/min)	ASTM D638	Mpa(kgf/cm ²)	26(265)
Elongation @Yield 50mm/min(2inch/min)	ASTM D638	%	4.5
Elongation@ Break 50mm/min (2inch/min)	ASTM D638	%	120
Flexural Strength 1.27mm/min(0.05inch/min)	ASTM D790	Mpa(kgf/cm ²)	71(720)
Flexural Modulus 1.27mm/min(0.05inch/min)	ASTM D790	Mpa(kgf/cm ²)	2150(21900)
Izod Impact Strength Notched@23° C(73° F)	ASTM D256	J/M(kgf.cm/cm)	85(8.7)
Optical Properties			
Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	90
Thermal Properties			
Heat Distortion temperature @0.455Mpa(66psi) @1.82Mpa(264psi)	ASTM D848	° C	70 62