

ASTM Property

UNI Polymer	Grade	UR-3006(R85)
	Resin Type	ABS

Ecofriendly, PCM 85% ABS/ABS Material

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural	-	1.05
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	2.0
Mold Shrinkage	ASTM D955	-	%	0.3~0.6
Mechanical				
Tensile Strength	ASTM D638	20mm/min	kgf/cm ²	380
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	560
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	21,000
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	15
Rockwell hardness	ASTM D785	R-Scale	-	108
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	81
VICAT Softening Temperature	ISO R 306	B/50	°C	92
Flammability				
Flammability	UL94	1.5	mm	HB
Flammability	UL94	3.0	mm	HB

1. The value above is the representative value of the NP standard and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.