



## 物性表

■ **Grade** :MP-0160 R

Item	Condition	Measuring Method	Unit	Representative
<b>Physical</b>				
Specific Gravity	Natural Color	ASTM D792	-	1.04
Melt Flow Index	200℃ 5kg	ASTM D1238	g/10min	1.5
<b>Mechanical</b>				
Tensile Strength	5mm/min	ASTM D638	MPa ( psi ) kgf/cm <sup>2</sup>	39 ( 5,700 ) 400
Flexural Strength	2.8mm/min	ASTM D790	MPa ( psi ) kgf/cm <sup>2</sup>	55 ( 8,000 ) 560
Flexural Modulus	2.8mm/min	ASTM D790	MPa ( psi ) kgf/cm <sup>2</sup>	1,960 ( 280,000 ) 20,000
IZOD Impact Strength (notched)	1/4 inch	ASTM D256	J/m ( ft·lbf/in ) kgf·cm/cm	255 ( 4.8 ) 26
Rockwell Hardness	R-Scale	ASTM D785	-	102
<b>Thermal</b>				
Heat Deflection Temperature	18.56kgf/cm <sup>2</sup>	ASTM D648	°F ( °C )	187 ( 86 )
VICAT Softening Temperature	5kg	ISO R 306	°F ( °C )	205 ( 96 )
<b>Flammability</b>				
UL 94 Classification	1.5 mm specimen 3.0 mm specimen		ALL	HB