

# KEYFLEX BT-1047D

## Ester type TPE



Item	Test method	Test Condition	Unit	Value
<b>PHYSICAL</b>				
Specific Gravity	ASTM D297	23°C		1.17
Melt Index	ASTM D1238	200°C/2.16kg	g/10min	25
Density	ASTM D1505	Density Gradient Tube	g/10min	
Water Absorbance	ASTM D570	23°C	%	0.6
Mold Shrinkage	ASTM D955		%	1
<b>MECHANICAL</b>				
Tensile Strain at Break	ASTM D412	500mm/min	kg/cm <sup>2</sup> MPa	300 29.4
Tensile Elongation	ASTM D412	500mm/min	%	860
Tensile Strength	ASTM D638	500mm/min	kg/cm <sup>2</sup> MPa	110 10.8
5% Tensile Stress	ASTM D638	500mm/min	kg/cm <sup>2</sup> MPa	25 2.5
Flexural Modulus(Initial)	ASTM D790	15mm/min	kg/cm <sup>2</sup> MPa	1300 128
Tear Strength	ASTM D624	JIS B type	kg/cm	130
Izod Impact Strength (Notched)	ASTM D256	23°C	kg-cm/cm	NB
			J/m	NB
		-40 °C	kg-cm/cm	NB
			J/m	NB
Elongation	ASTM D395		%	
Compression Set	ASTM D395	25°C x 22hr	%	
		70°C x 22hr	%	56
Hardness	ASTM D2240	shore A		
		shore D		47

\*Note : 1)The values of properties in the above table have been obtained by the test pieces(natural color) manufactured under certain of injection.

2)The listed values should be used for referential purposed only.