

KEYFLEX BT-1040D



Ester type TPE

Item	Test method	Test Condition	Unit	Value
PHYSICAL				
Specific Gravity	ASTM D297	23°C		1.16
Melt Index	ASTM D1238	200°C/2.16kg	g/10min	20
Density	ASTM D1505	Density Gradient Tube	g/10min	
Water Absorbance	ASTM D570	23°C	%	0.6
Mold Shrinkage	ASTM D955		%	0.8
MECHANICAL				
Tensile Strain at Break	ASTM D412	500mm/min	kg/cm ² MPa	230 22.5
Tensile Elongation	ASTM D412	500mm/min	%	850
Tensile Strength	ASTM D638	500mm/min	kg/cm ² MPa	60 5.9
5% Tensile Stress	ASTM D638	500mm/min	kg/cm ² MPa	24 2.4
Flexural Modulus(Initial)	ASTM D790	15mm/min	kg/cm ² MPa	600 59
Tear Strength	ASTM D624	JIS B type	kg/cm	120
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	%	58
Hardeness	ASTM D2240	shore A		
		shore D		40

*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.