

KEYFLEX BT-1055D

Ester type TPE



Item	Test method	Test Condition	Unit	Value
PHYSICAL				
Specific Gravity	ASTM D297	23°C		1.19
Melt Index	ASTM D1238	200°C/2.16kg	g/10min	28
Density	ASTM D1505	Density Gradient Tube	g/10min	
Water Absorbance	ASTM D570	23°C	%	0.5
Mold Shrinkage	ASTM D955		%	1.2
MECHANICAL				
Tensile Strain at Break	ASTM D412	500mm/min	kg/cm ²	340
			MPa	33.3
Tensile Elongation	ASTM D412	500mm/min	%	650
Tensile Strength	ASTM D638	500mm/min	kg/cm ²	140
			MPa	13.7
5% Tensile Stress	ASTM D638	500mm/min	kg/cm ²	65
			MPa	6.4
Flexural Modulus(Initial)	ASTM D790	15mm/min	kg/cm ²	2,100
			MPa	206
Tear Strength	ASTM D624	JIS B type	kg/cm	150
Izod Impact Strength (Notched)	ASTM D256	23°C	kg-cm/cm	NB
			J/m	NB
		-40 °C	kg-cm/cm	20
			J/m	NB
Elongation	ASTM D395		%	
Compression Set	ASTM D395	25°C x 22hr	%	
		70°C x 22hr	%	54
Hardness	ASTM D2240	shore A		
		shore D		55

*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.