

BISCO SILICONES®

171 W. St. Charles Rd.

Carol Stream, Illinois 60618

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7/14/2016

Sample ID: 16G05982001Tensile.mss
 Method: Calender Tensile test Insight 5.msm

Test Date: 7/14/2016
 Operator: QUALITY

Sample Information:

Name	Value
Batch Number	16G05982001
COLOR	TRANSLUCENT
DEPARTMENT	QUALITY
PRODUCT	HT6240
THICKNESS	0.125

Specimen Results:

Specimen #	Width in	Thickness in	Batch Number	COLOR	DEPARTM ENT	PRODUCT	THICKNES S
1	0.250	0.125	16G05982001	TRANSLUC ENT	QUALITY	HT6240	0.125
2	0.250	0.125	16G05982001	TRANSLUC ENT	QUALITY	HT6240	0.125
3	0.250	0.125	16G05982001	TRANSLUC ENT	QUALITY	HT6240	0.125
Mean	0.250	0.125					
Std. Dev.	0.000	0.000					
Minimum	0.250	0.125					
Maximum	0.250	0.125					
Median	0.250	0.125					

Specimen #	Peak Load lbf	Peak Stress psi	Strain At Break %	Slope 1 Index	Slope 2 Index	Modulus psi	Modulus at 100% psi
1	23.000	736.0	234	192	225	491.167	205.15
2	25.668	821.4	248	206	241	517.381	210.27
3	26.756	856.2	258	213	249	516.081	203.02
Mean	25.141	804.5	247	204	239	508.210	206.15
Std. Dev.	1.933	61.9	12	11	13	14.774	3.73
Minimum	23.000	736.0	234	192	225	491.167	203.02
Maximum	26.756	856.2	258	213	249	517.381	210.27
Median	25.668	821.4	248	206	241	516.081	205.15

Specimen Comments:

Specimen #	Comments
1	
2	
3	

Calculation Inputs:

Name	Value	Units
Break Marker Elongation	0.100	in
Extensometer Gage Length	1.000	in
Slack Pre-Load	0.100	lbf
Slope Segment Length	20.000	%
Yield Offset	0.200	%
Yield Segment Length	2.0	%

Test Inputs:

Name	Value	Units
Break Sensitivity	90	%
Break Threshold	0.500	lbf
Data Acq. Rate	10.0	Hz
glas	0.100	in/min
Test Speed	20.000	in/min