



Clear Formulations

ASTM Method	Description	Typical Value					
		R70-251	R70-046	R70-050	R70-085	R70-082	R70-051(8)
	Base Elastomer Type (2)	SEBS	SEBS	SEBS	SEBS	SEBS	SEBS
	Color / Appearance	Clear	Clear	Clear	Clear	Clear	Clear
D2240	Durometer Hardness Shore A, 1 sec.	4A	37A	48A	51A	64A	75A
	Thermoplastic Processing Method (4)	E/M	E/M	E/M	E/M	E/M	E/M
D412	Tensile @ Break, psi	462	1137	1146	1132	1190	1058
D412	Tensile Modulus, psi @ 100%	28	110	170	200	230	370
	psi @ 300%	49	220	290	350	380	570
D412	Elongation @ Break, %	1298	870	828	783	708	609
D412	Tensile Set @ Break, %	28	36	73	50	92	123
D412	Tensile Set @ 300% Elongation, %	4	10	20	21	32	37
D395	Compression Set, % @ 23°C	75	12	18	17	19	28
	% @ 70°C	89	64	53	49	57	59
D624	Tear Strength, ppi, Die C	69	130	120	143	175	130
D624	Tear Strength, ppi, Notched, Die B	55	135	100	124	130	150
405 (1)	Taber Abrasion, mg loss	478.7	455.0	101.0	241.0	9.0	7.6
D792	Specific Gravity	0.90	0.90	0.90	0.90	0.90	0.90
D746	Brittle Temp (°F)	-	-87	-87	<-80	-88	-82
	Glass Transition Temperature (T _g , °F)	-	-	-	-	-94	-
D1238	Melt Index g/10 min. (Condition E)	1.8(7)	0.12	0.42	10.5(6)	2.1	5.9
D1003	Optical % Haze	-	53	33	77	45	59
D1003	Optical % Transmittance	-	84	89	80	81	88
	Blood Compatibility	-	Pass	Pass	-	Pass	Pass
	USP Class VI	-	Pass	Pass	Pass	Pass	Pass
	Hemolysis	Pass	Pass	Pass	Pass	Pass	Pass
	Cytotoxicity	Pass	Pass	Pass	Pass	Pass	Pass
	Pyrogen	-	Pass	Pass	-	Pass	Pass
	Sterilization Methods (3)						
	Steam/Autoclave (5)	-	NR	Pass	Pass	Pass	Pass
	Gamma	Pass	Pass	Pass	Pass	Pass	Pass
	Ethylene Oxide	-	Pass	Pass	Pass	Pass	Pass

These values are not intended for specification purposes.

Specification writers should contact CPT for detailed information.

The properties indicated were measured from injection molded slabs.

The test specimens were cut perpendicular to the material flow direction.

- (1) Federal Test Method Standard
- (2) SEBS = Styrene-Ethylene/Butylene-Styrene Block Copolymer.
- (3) Information regarding sterilization is intended only as a guide. Contact CPT for specific details.
- (4) Extrusion / Molding
- (5) Not Recommended
- (6) Condition S
- (7) Condition D
- (8) Test specimens were cut parallel to the material flow direction.

To request a sample contact us at:

Consolidated Polymer Technologies, Inc.
4451 110th Avenue North
Clearwater, Florida 33762
(800) 541-6880
(727) 531-4191
Fax: (727) 530-5603
Email: Sales@c-flex-cpt.com

Jerry Stadt Vice President – Sales and Marketing
Sue Nagy Sales/Customer Service Administrator

