

Material Specification Guide

POLYMER	NEOPRENE/EPDM/SBR				EPDM/BLEND				EPT BLEND 100% NEOPRENE				EVA				ENSOLITE PVC/NITRILE		
	SCE41B	SCE42B	SCE43B	SCE45B	RE41E	RE42E	RE43E	RE41EPT	SCE41NEO	SCE42NEO	2#EVA	4#EVA	IV1	IV2	IV3				
SPECIFICATIONS																			
ASTM-D-1056-67	SCE41	SCE42	SCE43	SCE45	RE41	RE42	RE43	RE41	SCE41	SCE42	RE 41/42	RE 42/43	SCE41	SCE42	SBE43				
ASTM-D-1056-07	2A1	2A2	2A3	2A5	2A1	2A2	2A3	2A1	2C1	2C2	2A1/2A2	2A2/2A3	2C1	2C2	2B3				
Mil-R-6130C Type + ASTM-D-6576	II-A	II-A	II-A	II-A	II-B	II-B	II-B	II-A	II-A	II-A	II-A	II-A	11-B	11-A/B	11-A/B				
Grade Condition	Soft	Soft-Med.	Medium	Firm	Soft	Soft-Med.	Medium	Soft	Soft	Soft-Med.	Soft	Soft	Soft	Soft-Med.	Medium				
Mil-C-3133C MIL STD 670B	SCE3 F2	SCE7 F2	SCE11 F2	SCE20 F2	RE3 F2	RE7 F2	RE11 F2	RE3	SCE3 F1	SCE7 F1	_____	_____	SCE3	SCE7	SCE11				
FLAMMABILITY SPECIFICATIONS																			
UL-94-HF1*	Listed	Listed	Listed	_____	_____	_____	_____	_____	Pass	Pass	_____	_____	Listed	Listed	Listed				
UL-94-HBF*	Listed	Listed	Listed	_____	_____	_____	_____	_____	Pass	Pass	_____	_____	Pass	Pass	Pass				
Mil-R-6130C	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	_____	_____	Pass	Pass	Pass				
FMVSS-302*	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass				
PHYSICAL PROPERTIES																			
25% Compression Deflection (PSI)	2-5	5-9	9-13	17-25	2-5	5-9	9-13	2-5	2-5	5-9	4-6	6-9	2-5	2-5	5-9	9-13			
Density Approximate (PCF)	6 +/- 2	6 +/- 2	9 +/- 2	12 +/- 2	6 +/- 2	6 +/- 2	9 +/- 2	4 +/- 1	9 +/- 2	9 +/- 2	2 +/- .5	4 +/- 1	3.0-5.5	3.0-5.5	5.5-7.50	7.0-9.5			
Water Absorption Max. Weight %	5	5	5	5	5	5	5	5	5	5	10	10	7	5	5	5			
Temperature Range °F	-40/+200	-40/+200	-40/+200	-40/+150	-70/+220	-70/+220	-70/+220	-40/+200	-40/+150	-40/+150	-110/+220	-110/+220	-40/+200	-40/+200	-40/+200	-40/+200			
Temperature High Intermittent °F	250	250	250	200	250	250	250	250	200	200	240	240	225	225	225	255			
Ozone Resistance	Excellent	Excellent	Excellent	Fair	Excellent	Excellent	Excellent	Excellent	Fair	Fair	Excellent	Excellent	Fair	Fair	Fair	Fair			
Tensile Strength (PSI)	75	100	100	150	80	80	100	50	80	90	60	100	40	35	35	35			
Fuel B Max % Weight Change	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<250	<250	n/a	n/a	<250	<250	<100	<100			
Elongation Typical Properties %	125	125	150	125	150	150	150	125	150	150	275	310	100	100	100	100			
Durometer Shore 00 (Approx.)	40-50	45-55	55-65	65-75	40-50	45-55	55-65	37-47	45-55	50-60	_____	_____	30-45	50-60	60-70	60-70			
Shrinkage 7 Days @ 158° F Max.	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	3%	3%	3%	3%			
K Factor	0.30	0.30	0.38	_____	0.38	0.38	0.38	0.30	0.38	0.38	0.25	0.30	0.30	0.30	0.30	0.30			

We furnish this information as a guide to help compare properties of different materials. Anchor Rubber Products, LLC disclaims liability for results or use of this information which is furnished without charge. We suggest that samples be obtained and tested when determining suitability of material for a particular application. *Dependent upon thickness.