

# RUBBER LINING APPLICATION MANUAL

## Appendix IV: Product Selection Guide



**Cure Methods:** A - Autoclave I - Internal steam E - Exhaust (Atmospheric) steam  
CC - Chemical cure

**Chemical Cure:** Ambient or Exhaust steam assist  
Use C- 600 activator for FDA compliant rubber lining

**FDA Compliant:** All ingredients formulated the rubber lining conform to the requirements of FDA Title 21, CFR 177.2600 for food contact

Type	Product	Hardness	Typical Service	Cure	Color
<b>Soft Natural Rubber</b>	1032	45 - 55 A	Chemical, abrasion, tear resist -FDA	A - I - E	Black/tan
	1060	55 - 65 A	Abrasion, tear resistance - FDA	A - I - E	Black/tan
	1061	50 - 60 A	Chemical, abrasion, tear resist -FDA	A - I - E	Black
	1064	55 - 65 A	Non-staining food service - FDA	A - I - E	White
	1069	55 - 65 A	Abrasion/grinding - FDA	A - I - E	Black
	1097	55 - 65 A	Abrasion/grinding - FDA	A - I - E	Tan
	1099	30 - 40 A	General purpose - HCl - FDA	A - I - E	Tan
	2000	30 - 40 A	General purpose - HCl - FDA	A - I - E	Tan
	2001	35 - 45 A	General purpose - FDA	A - I - E	Black
	2002	38 - 48 A	General purpose	A - I - E	Black
	2004	30 - 40 A	Non-staining food service - FDA	A - I - E	White
	2019	40 - 60 A	Chemical cure - FDA	CC - E*	Black
	2020	42 - 52 A	Abrasion resist -slurry pipe	A - I - E	Black
	2027	30 - 40 A	Abrasion resistance - mining, pipe	A - I - E	Red
	2033	45 - 55 A	Ozone and abrasion resistance	A - I - E	Black
	2033P	55 - 65 A	Ozone and abrasion resistance	A - I - E	Black
	2041	30 - 50 A	Chemical cure, non-staining - FDA	CC - E*	White
	2042	35 - 55 A	Chemical cure - FDA	CC - E*	Tan
	2098	40 - 60 A	Chemical cure - FDA	CC - E*	Tan
	3049	50 - 60 A	MOR for abrasion resistance	A - I - E	Black
	60714	60 - 70 A	Abrasion/ozone/weather	A - I - E	Black
	64025	35 - 45 A	General purpose (-40 to 150°F)	A - I - E	Tan
	T1000	35 - 45 A	General purpose	A - I - E	Tan
T1001	35 - 45 A	General purpose	A - I - E	Black	
T1003	50 - 60 A	General purpose - overlay	A - I - E	Black	
T1004S	55 - 65 A	Abrasion/oxygen/weather	A - I - E	Black	
T8000	35 - 45 A	Abrasion resistance	A - I - E	Tan	

Type	Product	Hardness	Typical Service	Cure	Color
<b>Hard Natural Rubber (Semi and Ebonite)</b>	1003	80 - 100 A	Water treatment - FDA	A - I - E	Black
	1004	50 - 70 D	General purpose	A - I - E	Black
	1006	60 - 80 D	General purpose	A - I - E	Black
	1017	35 - 55 D	General purpose - water treatment	A - I - E	Black
	1035	45 - 65 D	General purpose	A - I - E	Black/tan
	1036	25 - 45 D	Chemical resist - FDA	A - I - E	Black
	1038	25 - 45 D	Chemical cure	CC - E	Black/white
	1040	25 - 45 D	Water treatment - FDA	A - I - E	White/tan
	1042	25 - 45 D	General purpose - FDA	A - I - E	White/white
	1048	25 - 45 D	Water treatment - FDA	A - I - E	Black/tan
	1053	45 - 65 D	Wet chlorine and brine resist	A - I - E	Black/tan
	2017	45 - 65 D	General purpose	A - I - E	Black
	3014	25 - 45 D	Chemical cure - FDA	CC - E*	Black
<b>Triflex™</b>	1000	40 - 60 A	General purpose	A - I - E	Tan/yellow/tan
	1001	45 - 65 A	Chemical cure	CC - E	Black
	1008	55 - 65 A	Chemical/abrasion resist Scrubber service - FDA	A - I - E	Black
	1015	40 - 60 D	Chemical resistance	A - I - E	Tan/grey/black
	1019HT	40 - 60 A	Chemical resist up to 220°F Phosphoric acid service	A - I - E	Tan/black/tan
	1020HT	40 - 60 A	Chemical resist up to 220°F Phosphoric acid service	A - I - E	Tan/yellow/tan
	1066	55 - 65 A	Chemical, abrasion, low water absorption	A - I - E	White
	1077HT	55 - 75 A	Scrubber module, phosphoric acid and defoamer	A - I - E	Black/tan/black
	3015	55 - 65 A	Water treatment service - FDA	A - I - E	White/black/tan
3016	75 - 95 A	Water treatment service - FDA	A - I - E	White/black/tan	
<b>Nitrile Rubber</b>	2048	55 - 65 A	General purpose - Petroleum/oil/aliphatic solvent	A - I - E	Black

Type	Product	Hardness	Typical Service	Cure	Color
<b>Chlorobutyl Rubber</b>	1024	45 - 55 A	Oxidizing solutions - bleach	A - I	Black
	1051	50 - 60 A	70% hydrofluoric acid	A - I - E	Black/tan
	1054	35 - 45 A	General purpose - FDA	A - I - E	White/tan
	1055	50 - 60 A	Super phosphoric acid - FDA	A - I - E	Black
	1056HT	55 - 65 A	High temp service - FDA	A - I - E	Black/tan
	1058	30 - 50 A	Chemical cure	CC - E	White/tan
	2006	45 - 55 A	70% hydrofluoric acid	A - I - E	Black
	2007	45 - 55 A	Stripping butt joints for lining 1051 and 2006	A - I - E	Black
	2040	50 - 70 A	Chemical cure - FDA	CC - E*	Black
	2055	50 - 60 A	General purpose	A - I - E	Black
	2056	55 - 65 A	High temp service	A - I - E	Black
	4631	50 - 60 A	Vapor pad in ceiling of HCl tank car - FDA	A - I	Black
	17001	50 - 60 A	General purpose - chemical	A - I - E	Black
	T6005	50 - 60 A	Oxidizing chemicals	A - I - E	Black
	T6105	50 - 60 A	Oxidizing chemicals	A - I - E	Black
<b>Bromobutyl Rubber</b>	6511	45 - 55 A	Phosphoric acids and caustic solutions up to 260°F	A - I	Black
	6512	45 - 55 A	Phosphoric acids and caustic solutions up to 260°F	A - I - E	Black
<b>Neoprene Rubber</b>	2010	55 - 65 A	General purpose	A - I - E	Black
	2011	55 - 65 A	General purpose	A - I - E	Black
	2012	55 - 65 A	General purpose	A - I - E	Black
	2013	55 - 65 A	Chemical cure	CC - E	Black
	2034	45 - 55 A	General purpose	A - I - E	White
	5621	50 - 60 A	Abrasion/flame/corrosion	A - I - E	Black
	5821	50 - 60 A	High abrasion	A	Black
	T5009	55 - 65 A	General purpose - overlay	A - I - E	Black
	T5109	55 - 65 A	General Purpose - overlay	A - I - E	Black
<b>SBR Rubber</b>	9159	50 - 60 A	General purpose - sliding	A - I - E	Black
	9160	55 - 65 A	General purpose - sliding	A - I - E	Black
	9169	55 - 65 A	General purpose - sliding	A - I - E	Black
	55159	50 - 60 A	General purpose - sliding	A - I - E	Black
	55160	55 - 65 A	General purpose - sliding	A - I - E	Black
	9160	55 - 65 A	General purpose - sliding	A - I - E	Black
	9169	55 - 65 A	General purpose - sliding	A - I - E	Black
	55159	50 - 60 A	General purpose - sliding	A - I - E	Black
	55160	55 - 65 A	General purpose - sliding	A - I - E	Black