

S.no. 13

54/11

Schedule of Technical Requirements for Latex Foam Rubber for use in Passenger Coaches to be built by RCF.

1.0 SCOPE:

1.1 This Schedule of Technical requirements is applicable for Latex foam Rubber for use in passenger coaches (AC & Non AC) to be built by RCF.

2.0 REQUIREMENT:

2.1 The Latex Foam Rubber shall conform to IS:1741 60, reaffirmed by BIS in 1992 and amended from time to time with the following additional requirements:

2.1.1 SIZE: Size shall be as indicated on relevant drawings.

2.1.2 Indentation Hardness : When measured as per Appendix 'A-2' of IS:1741-60. (Amendment No. 4) shall be in the following range:

(a) For Seats, Berths and Arm Rest : 50 to 80.

(b) For Back Rest : 41 to 60.

2.1.3 Compression Set : Compression Set percentage of the sample when determined by the procedure prescribed in Appendix 'A.6.1' of IS:1741-60 with the over temperature maintained at 70±1°C and sample compressed for 24 hrs. shall not exceed 10%.

2.1.4 Flexing Test : Change in indentation hardness index when determined as per procedure prescribed in Appendix 'A-4' with loading of sample to 50% of thickness shall not exceed 5% for 2.5 lac cycles.

2.1.5 Bulk Density : 90-105 gm/dm<sup>3</sup>

2.1.6 Size of Core holes : Dia - 20mm max.  
Depth - (0.4-0.6)k, where k=thickness of foam. Minimum thickness of foam on closed ends of core holes shall not be less than 25mm.