

## Material : Ethylene Propylene Diene Terpolymer (E.P.D.M)

**Spareage Code : EP4B FG      Colour : Green**

**Grade : Rubber for Food Contact Applications.**

- 1) *Our Food Grade Compounds were successfully tested at IRMRA [A NABL (ISO-17025-2005) Accredited Laboratory] referring to US-FDA-177-2600.Clause(F).*
- 2) *All ingredients used in forming the compounds are from the reputed suppliers & food grade certified.*
- 3) *Material E.P.D.M Food grade is suitable for water application.*

Revision date : 01/10/2011

<b>Physical properties</b> As per BS 5176, Grade-I	<b>nominal</b>	<b>actual</b>	<b>units</b>
<b>Hardness</b> BS 903 A 26, 23 °C	70-75	72	Shore A
<b>Tensile strength</b> BS 903 A 2, 23 °C	> 102	146	Kg/Cm <sup>2</sup>
<b>Elongation at break</b> BS 903 A 2, 23 °C	> 250	350	%
<b>Compression set</b> BS 903 A 6, 70 °C, 22 h, 25 %	< 50	31.5	%
<b>Air Ageing</b> BS 903 A 19, 100 °C, 70 h			
<b>Hardness Change</b>	<(±15)	+3	Points
<b>Tensile Change</b>	<(±30)	-14.3	%
<b>Elongation Change</b>	<(-50)	-22.8	%
<b>Specific Gravity</b> BS 903 A 1, 23 °C	---	1.18	Gm/cc
<b>Ash Content</b> 800°C, 2 Hrs	---	7.2	%
<b>Water Resistivity</b>	-	<b>Very Good.</b>	