



Typical Plain Rubber Washer Compound Analysis

<p>A. Polymer identification (Infra-Red Spectroscopy) 1. Ethylene-propylene Rubber 2. 3.</p>	<p>H. Extractables: 20.3% (ASTM D297) 1. Color.....Yellow 2. Consistency.....Liquid</p>
<p>B. Ash Content: 12.4%</p>	<p>I. Carbon Black: 44.2%</p>
<p>C. Semi-quantitative Ash Analysis (Atomic Absorption) a. > 10%.....Ca b. 5-25%..... c. 1-10%.....Zn d. 0.5-5%.....Mg. Ba e. 0.1-1%..... f. 0.05-0.5%.....Fe g. 0.01-0.1%..... i. Not detected.....Pb, Cu, Al Si, Ti</p>	<p>J. Extract Analysis 1. Plasticizers; D2702 2. 3. 1. Antioxidants; D3156 2. 3. 1. Accelerators; (suggested) 2. 3.</p>
<p>D. Total Hydrocarbon: 22.7%</p>	<p>K. Bellstein.....Negative (Presence of Halogens)</p>
<p>E. Total Sulfur.....1.01% (Ieco Sulfur Determinator)</p>	<p>L. Shore-A Hardness: 70 Duro +/-7</p>
<p>F. Specific Gravity.....1.357</p>	
<p>G. Wax Content.....</p>	

Theoretical Ash Content..... 12.4%
 Theoretical Extractables..... 20.3%
 Theoretical Carbon Black..... 44.2%
 Theoretical Specific Gravity..... 12.4%

Comments: * it may contain wax, processing aids...etc.