



## D61000 EPDM Black Masterbatch

D61000 EPDM black masterbatch is ideally suited for mill and internal mixers and carbon black free production facilities. The end user will benefit from ease of handling, as well as quick mix cycles. G&E can adjust the black and oil levels to meet the customer's needs as well as add fillers, and process aids to the customer's requirements.

### **Mooney Viscosity (on MB) - ML 1+4 @ 212<sup>0</sup>F = 35**

D61000 BMB	490
Zinc Oxide	5
Stearic Acid	1
Sulfur	2.5
ZDBC	2
MBT	2
TMTD	0.5

### **Rheometer Properties (ODR - 12 min. motor, 3<sup>0</sup> arc, 350<sup>0</sup>F, 50 range)**

ML, in-lbs.	2.56
MH, in-lbs.	32.71
T <sub>s</sub> 2, minutes	1.38
TC90, minutes	6.28

### **Physical Properties (Cured 10 minutes @ 350<sup>0</sup>F)**

Tensile Strength	1700 psi
300% Modulus	925 psi
Elongation	545%
Shore A Hardness	60
Tear Strength, Die C	210 pli

### **Compression Set**

(aged 22 hrs. @ 70°C)	15%
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### **Aged Properties (70 hrs. @ 100°C)**

Tensile Strength, % change	+2.3%
Elongation, % change	+43.9%
Shore A Hardness, points change	+7

**Packaging**

Material is produced in slabs. Slabs are 30"X38"X3/8". Shipped on a 4 way entry wood pallet approximately 1500 lbs.

The information contained herein is based upon laboratory tests believed to be reliable. However, it is offered solely for guidance to persons who will make their own determination. Goldsmith & Eggleton's products are sold without warranty, expressed or implied.