

Sludge Slayer



- Heavy duty flexible vacuum hose
- Smooth inner tube for optimum flow
- Corrugated outer wall for ultra flexibility
- Available to ship from stock
- Available lengths - 50 feet

THE
NOVAFLEX[®]
GROUP



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NovaFlex 5010YG Sludge Slayer™ Hose ¼" Novawear YG tube

Heavy duty material handling hose designed for potable and central industrial vacuum equipment as well as truck mounted applications. The ¼" ultra abrasion resistant Novawear YG yellow tube is designed to resist cutting, tearing and wear from abrasive media (non-oily) conveyed. This heavy helix wire is designed to resist kinking and crushing as well as provide full vacuum service. Increase your hose in those rugged applications with Sludge Slayer 5010YG. Sludge Slayer is also available in the white Novawear WG tube. This ⅝" tube offers economy and provides very good abrasion resistance.



I.D."	WG OD"	YG OD"	Yellow Tube = YG White Tube = WG Part No.	MBR"	Vac Hg	WG WT lbs/ft.	YG WT lbs/ft
2½	3.61	3.38	5010WG-02500-56	15	29	3.29	2.28
3	4.11	3.88	5010WG-03000-56	18	29	3.85	2.70
4	5.12	4.87	5010WG-04000-56	24	29	5.12	3.77
6	6.95	6.89	5010WG-06000-56	36	29	6.05	5.73
8	9.02	8.93	5010WG-08000-56	48	29	8.70	7.80
10	11.17	11.17	5010WG-10000-56	60	29	11.28	10.57

Choice of Wear Resistant Material

Compound	Recommended Service
NovaWear-TG	Very good abrasion, excellent cut and gouge resistance. Very good dry /very good wet non-oily material transfer, large to small sharp material transfer
NovaWear-WG	Very good abrasion resistance, good cut resistance for transfer of abrasive non-oily food grade products, small and medium size material transfer
NovaWear-BG	Very good abrasion, very good cut & gouge resistance - excellent dry / excellent wet non-oily material transfer- large to small, sharp material transfer
NovaWear-RG	Excellent abrasion, excellent cut & gouge resistance - excellent dry / excellent wet non-oily material transfer - large to small, sharp material transfer
NovaWear-YG	Superior abrasion, cut & gouge resistance - superior dry / superior wet on non-oily material transfer - large to small, sharp material transfer

Novaflex rubber material hoses can be custom made with different tube compounds on request.

The choice of the tube compound (wear material) is dependent on the elements of the application. Compounds are uniquely formulated to resist abrasion, cutting, ripping and other elements of wear. NovaFlex® utilizes the tube compounds most suited to the abrasion resistance requirements of the application being engineered. Typically, flexible material transfer hoses are designed for applications that require the adaptability to overcome bends, offsets, misalignments, expansion or contraction and vibration. Applications with bends are particularly demanding. It is important to note that the larger the bend radius engineered into a wear application, the greater the service life of the hose. Hose wear is always on the outside radius of the hose bend. The greater the bend, the lower the angle of impact; therefore the lower the wear. To reduce wear, the optimum bend radius is ten times the inside diameter of the hose.

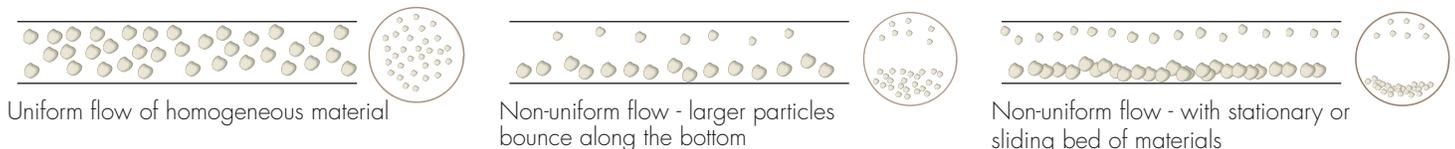
Hose Wear

Abrasion is wear or undesirable removal of material from the surface of the hose tube. The degree of wear and or abrasion varies widely and is determined by some of the following factors:

- Material transferred (e.g. size, sharpness, size, distribution, hardness)
- Velocity - flow rate, turbulence
- Angle of material impact - affected by bend radius
- Slurry or dry

- Contamination elements - presence of oil or chemicals (PH value of slurry liquid)
- Temperature

To avoid sediment settling in a hose, mixture needs to keep flowing or turbulent. Deposits on the bottom of the conveying hose reduce efficiency and may cause clogging. Depending on the proportion of liquid to solids as well as the flow rate, material may be carried along in one of the following ways:



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