

3M™ Petroleum Sorbents Static Resistant Pads and Rolls HP Series

Use

3M™ Petroleum Sorbents Static Resistant Pads and Rolls HP Series are specifically designed to be used for the safe clean up of highly flammable petroleum-based liquids. They are specially treated to resist static charge build-up and can be used effectively and efficiently when conditions are likely to produce static arcing - such as when relative humidity is low (below 20%) or when temperatures fall below freezing. 3M™ Petroleum Sorbents repel water and float (as long as surfactants are not also present). They are typically used on water to contain and adsorb hydrocarbons that are on the surface or in an emulsion in the water.

Product Description

3M™ Petroleum Sorbents Static Resistant Pads and Rolls HP Series have a charge dissipating polypropylene scrim and are packaged in charge dissipating film. 3M™ Petroleum Sorbents are made from inert, synthetic fibers principally polypropylene and polyester. They are available in a wide range of formats and are lightweight and nominally dust-free. They have a high absorption capacity which minimizes the amount of waste for disposal.

Color

White (pads and rolls)

Selection Guide

- Antistatic Products – These antistatic products are designed for use in low temperatures and low humidity to help reduce the risk of sparking.

Typical Liquids Adsorbed

3M™ Petroleum Sorbents are suitable for adsorbing hydrocarbons and non-polar organic solvents, eg., oil, paraffin, diesel, benzene, alcohols, toluene, trichloroethane, esters and ethers.

Limitations of Use

3M recommends that a compatibility test with the liquid of interest be carried out prior to using the sorbent. For use in temperatures over 60C it is essential that such a compatibility test is made prior to use. Do not use on aqueous liquids or aggressive liquids, strong acids, caustic oxidizers or reactive chemicals. In particular there is a risk of degradation with the following: oleum, chlorosulfonic acid, liquid bromine, fuming nitric acid, chromic acid, sulfuric acid and hydrogen peroxide.



Precautions

3M™ Petroleum Sorbents are not in themselves hazardous products; however, they take on the characteristics of the liquids they adsorb. Adequate precautions should be taken when handling or storing hazardous / flammable materials and appropriate personal protective equipment should be worn. Users should be informed of the risks incurred in use, storage and disposal of used sorbents.

Disposal

Dispose of used sorbents only in accordance with local and national regulations. Disposal companies should be consulted for their recommendations.

Waste Minimization

3M recommends that waste streams should be minimized wherever possible. 3M sorbents promote minimization by only being a small part of the total waste. In addition where laws allow, 3M™ Petroleum Sorbents can be disposed of by incineration yielding less than 0.2% ash (ASTM D-482). The high energy value of the sorbents is also favorable for incineration and waste-to-fuel systems.

Absorption / Sorbency

The sorbent capacity quoted in the table below is based on testing per ASTM F 726 “Standard Test Method for Sorbent Performance of Adsorbents.” In brief, the sorbent samples were immersed in 20 weight motor oil, drained and weighed. In the 1981 version of the standard, samples are immersed for a variable period of time in an attempt to make sure the sorbent is saturated. The sorbent is then drained horizontally.

Product Number	Size	Number / Case or Roll	Shipping Case or Roll Weight lb (kg)	Nominal capacity per case ASTM F 726-81 gallons (liters)
Roll				
HP-500 high capacity static resistant	38 in x 144 in (96 cm x 365cm)	roll	20 (9)	73 (276)
Pads				
HP-556 high capacity static resistant	17 in x 19 in (43 cm x 48 cm)	100	10 (4.5)	37.5 (142)
HP-557 high capacity static resistant	34 in x 38 in (86 cm x 96 cm)	50	20 (9,07)	75 (280)

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Important Notice to User:

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for user's particular purpose and suitable for user's method of application.

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