

## Frequently asked questions – FAQs

### **Why should we use Melos Granules?**

Melos is using high quality starting materials to produce consistent, excellent products. The tensile strength and elasticity of Melos EPDM Granules is superior to many materials in the market. Excellent manufacturing practices and the high quality pigments used ensure good colour consistency from batch to batch and long term colour fastness.

### **Which properties are important for the quality of EPDM granules?**

These materials are typically used as coloured wear layer in playground systems. One very important feature is therefore weather stability. Also important are tensile strength and elongation of the granules, since studies have shown that the properties of the granules strongly influence the stability of the PU-bound end system. Elasticity is required to prevent tears on the surface.

### **How can I identify good product quality?**

Ask your supplier for certificates which prove the quality, durability and suitability of his product. Typical Norms are DIN 18035-6 or USSL. Also tests for artificial turf give an indication on the elasticity and wear of the product (ISA, DIN 18035-7, Labosport). It is important to read the text of these certificates, since many observations are noted which can give a hint on the long term behaviour of a product.

### **How can I ensure consistent quality?**

By buying your material from a known source which is ISO 9001 certified you can already eliminate several uncertainties. Using a supplier which is in the market for a long time will also guarantee a high quality and proven product.

### **How can I ensure that the EPDM granules I use are safe for the environment?**

There is currently no European wide standard for testing the environmental; however there are national standards in place. DIN 18035-6 for example is testing granules for running tracks and tests the environmental friendliness of a product. Materials from a consistent source, which are qualified with this standard will enable you to be on the safe side.

### **How do I know if the granules work well with my binders?**

Studies have shown that binder-granule adhesion is key to a good system. Melos granules have been tested on combination with all the leading binder suppliers' materials to ensure that you will have a system that works. Melos granules are not just used in playgrounds but are also approved for even more demanding applications like athletic tracks where the materials are subjected to runners with spiked shoes.

### **What are the alternative materials to EPDM?**

Other materials like coloured SBR rubber, thermoplastic materials and TPV are sometimes offered as an alternative to EPDM granules but none of these materials offer any significant advantages over EPDM granules. The sports and leisure industry has been trying to find a better material for over 20 years and yet EPDM granules are still the number one choice worldwide. Would you really want to take a risk on something with no proven track record and have to stand by your warranty for the next five years?



Melos GmbH  
Granules  
Cable Compounds  
Customer Solutions

Bismarckstraße 4-10  
D-49324 Melle  
Phone +49 (0) 54 22 . 94 47-0  
Fax +49 (0) 54 22 . 59 81  
info@melos-gmbh.com  
www.melos-gmbh.com

