



## Product Data Sheet

Play Flecks®  
Product Data Sheet  
rev 101518

### Product Description:

**Play Flecks®** is an innovative patented safety surfacing system comprised of our **Flecks®** granulated thermoplastic rubber mixed with our two-part aliphatic urethane binder as a wear course combined with our thermoplastic olefin foam cushioned base, **EnviroFluff®**. **Play Flecks®** is a totally seamless safety surface, light stable/U.V. resistant and 100% recyclable. **Play Flecks®** will not degrade due to the environment and does not contain any harmful ingredients which would affect children and the environment. **Play Flecks®** offers the playground industry the only true granulated thermoplastic safety surface which will provide long-term compliance to ASTM F1292-13 standard for impact attenuation. **Play Flecks®** resists cracking in freeze thaw environments. **Play Flecks®** comes in 15 different colors that can be blended together to create unlimited color blends, patterns and designs to fit your needs. **Play Flecks®** is cooler to the touch than most other playground surfaces and with anti-microbial included in our system, **Play Flecks®** will not promote the growth of mold or mildew making it the ideal surface for all your safety surfacing needs.

### Physical Properties:

1. Elongation: 300%
2. Tensile Strength: 25 mPa
3. Hardness Shore A: 65
4. Density: 0.90 g/l

### Mechanical Properties:

1. Compression Set: Excellent
2. Rebound Rating: Excellent
3. Flexural, Crack Resistance: Good to Excellent
4. Shrinkage Resistance – Excellent
5. Abrasion Resistance - Good
6. Tear Resistance – Good
7. Impact Resistance – Excellent
8. Flame Resistance – Good

### Technical Properties:

1. Particle size: 0.5 mm – 3.0 mm
2. Composition: TPR (Thermoplastic Rubber)
3. Mixing Ratio (**Flecks®**): 45 lb. bag to 5 Quarts **Flecks®** Aliphatic Urethane Binder.
4. Spread Rate (**Flecks®**): 25 sq. ft. per bag @ 1/2" thickness
5. Mixing Ratio (**EnviroFluff®**): 22 lb. bag to 3 Quarts **EnviroFluff®** Aromatic Urethane Binder.
6. Spread Rate (**EnviroFluff®**): 1 lb. per sq. ft. @ 1 inch
7. Toxicity – Non-toxic; no harmful ingredients

### Environmental Resistance:

1. Thermal Shock: Excellent
2. Ozone Resistance: Excellent
3. U.V. Resistance/Light Stability: Excellent
4. Chlorine Resistance – Excellent
5. Oxidization Resistance: Good
6. Chemical Resistance: Good
7. Radiation Resistance: Good
8. Non-Leaching: Excellent

\*See **EnviroFluff®** data sheets for detailed information on our **EnviroFluff®** cushioned layer.