

TECHNICAL DATA SHEET MIROAD EPDM COLOR GRANULES

General Information

Product Description	Ethylene –propylene-diene-monomer (EPDM) rubber
Size Available	1 – 4mm; 0.5 – 1.5mm (<i>Other granule size available upon request</i>)
Shape	Cubic, mechanically cut
Polymer Content	22 ± 2%
Color Options	21 colors

Physical and Chemical Properties

Hardness	60 – 65	Shore A
Density	1.6 ± 0.05	g/cm ³
Bulk Density	680 – 750	kg/m ³
Tensile Strength	≥ 6.0	MPa
Elongation at Break	≥ 600	%
Installation Temperature (min.)	5	°C
Installation Temperature (max.)	50	°C
Curing Method	Peroxide – cured	
Vulcanization	Hot Vulcanization	
Packing Method	25kg/bag; 1,100kg/pallet	

Environmental Properties

Shelf Life	> 5 years
Weather Resistance	Excellent
Sunlight Resistance	Excellent
Ozone Resistance	Excellent
Oxidization Resistance	Excellent
Water Resistance	Excellent
Steam Resistance	Excellent
Gas Permeability	Fair
Radiation Resistance	1x10 ⁵ Ga Gy
Flammability	Non-Flammable
Toxicity Content	Non-Toxic

Sieve Analysis

Size (mm)	Distribution (%)
< 1.0	< 3%
1.0 – 2.0	10 – 20%
2.1 – 3.0	40 – 60%
3.1 – 4.0	35 – 50%
> 4.0	< 5%

Laboratory Testing & Certification

UVA (5000H) Ageing – FIFA 2015 & WORLD RUGBY 2017
 EN 14836:2005 – Artificial Weathering UVA-340nm
 EN71-3:2013 – European Standard on Safety of Toys
 ASTM D5116 – Volatile Organic Compound (VOCs) Emission
 PAH – German Commission Specification for Product Safety Act
 RoHS – EU Directive 2011/65/EU
 REACH – Regulation (EC) No 1907/2006