

DATA SHEET

POLYETHYLENE COMPOUND 7636

Description

Micronized product manufactured with hexene-based polyethylene resin for use in the rotational molding process. It has UV8 ultraviolet resistance. It can be supplied in natural color or in a wide range of other colors (upon request).

Use

Versatile product, suitable for producing parts with complex designs, outdoor applications, sporting goods, safety protections and other products for general use. This product complies with Brazilian legislation RDC ANVISA 52/2010 for contact with food.

Physical properties	Standard	Amount	Unit
Density	ASTM D792	0.936	g/cm ³
flow index 2.16 kg	ASTM D1238	6.7	g/10min
Elongation at yield (a)	ASTM D638	18	%
Elongation at break (a)	ASTM D638	>1000	%
Tensile strength at yield (a)	ASTM D638	17	MPa
Flexural modulus - -1% Secant (b)	ASTM D790	640	MPa
Melting point	ASTM D3418	126	°C
Thermal deflection temperature at 0.455 MPa(b)	ASTM D648	57	°C
Thermal deflection temperature at 1.82 MPa(b)	ASTM D648	42	°C
ARM impact 3.17 mm	ARM	65	J

Typical properties correspond to average values obtained in the laboratory. Specimens prepared from compression molded sheets made in accordance with ASTM D 4703. Test specimen thickness: a) 2 mm; b) 3 mm; c) Rotomolded plate. Test temperature -40°C.

Final considerations

Enepol Compounds reserves the right to suspend or change production of this product at any time.

The information contained in these specifications is provided in good faith and to the best of our knowledge; however, this does not exempt the customer from the responsibility for practical results obtained. For further information or guidance on this product, please consult our technical department. Processing conditions may change the characteristics of the end product.

1. The information presented on this Data Sheet reflects typical values obtained in the laboratory, but should not be considered absolute or guaranteed values. Only the properties and values contained in the Quality Certificate are considered as a guarantee of the product. | 2. For product regulatory information, see the Regulatory Document or contact our Technical Assistance Department. | 3. For information on safety, handling, personal protection, first aid, and waste disposal, see the MSDS. | 4. The values mentioned in this report may be modified at any time without prior notice from Enepol Compounds.