



**FICHA TÉCNICA**  
**FECHA EDICIÓN FEBRERO 2020**

## **POLIETILENO SUBORTOIBEN OI-3650**

**NORMA MOLDEADA EXTRUSIONADA** DIN EN ISO 1872, Teil 1

**NORMA MASA MOLDEADA PRENSADA:** DIN EN ISO 1872, Teil 1

**MASA MOLDEADA EXTRUSIONADA:** PE, EN, 45 T003/6

**MASA MOLDEADA PRENSADA :** PE, QN,45 T003/6

**DENSIDAD, G/CM :** 0,947  
ISO 1183

**TENSION DE ESTIRADO, Mpa:** 21  
DIN EN ISO 527

**DILATACION BAJO LA TENSION DE ESTIRADO,%:** 9  
DIN EN ISO 527

**DILATACION DE DESGARRE,%:** 500  
DIN EN ISO 527

**MÓDULO E TENSIÓN, Mpa:** 800  
DIN EN ISO 527

**RESISTENCIA AL IMPACTO, KJ/M2:** sin rotura  
DIN EN ISO 179

**RESISTENCIA, KJ/M2:** 13  
DIN EN ISO 179

**DUREZA BRINELL, Mpa:** 43  
DIN EN ISO 2039-1

**DUREZA SHORE (D):** 62  
ISO 868

**COEFICIENTE MEDIO DE DILATACIÓN TÉRMICA, K E-1:**  $1,8 \times 10^{-4}$   
DIN 53752

**CONDUCTIBILIDAD TERMICA W/m\*K:** 0,38  
DIN 52612

**COMPORTAMIENTO ANTE EL FUEGO:** inflamabilidad normal  
DIN 4102

**ORTOIBERICA S.L – Parque Tecnológico de Asturias parcela 1**  
**33427 Llanera (Principado de Asturias)**  
**Tfno.: 34 985794800 Fax: 34 985794810**  
**Mail: welcome@ortoiberica.es**



**RESISTENCIA A LA PERFORACION ELECTRICA, KV/mm: 50**  
DIN IEC 60243-1

**RESISTENCIA DE SUPERFICIE, OHM: 10**  
DIN IEC 60093

**CAMPO DE TEMPERATURA,°C: -50 hasta +80**

**INOCUIDAD FISIOLÓGICA SEGÚN BfR: sí**

Los datos son valores orientativos y pueden variar en función del procedimiento de mecanización y de fabricación del elemento de prueba. Por regla general se trata de valores medios obtenidos a partir de mediciones realizadas en planchas extrusionadas de 4 mm de espesor. Pueden existir diferencias cuando las planchas de este espesor no están disponibles. Las indicaciones no se pueden extrapolar sin más a las piezas acabadas. El usuario o fabricante deberá comprobar previamente si el material se presta para una determinada aplicación. Los valores característicos sólo son una ayuda para la planificación y no son una garantía de las propiedades del material correspondiente.

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**IDENTIFICATION OF SUBSTANCE /PREPARATION AND DISTRIBUTER:**

Indications to the supply:

ORTOIBERICA S.L.

Parque Tecnológico de Asturias parcela 1

33428 Llanera (Principado de Asturias)

Spain

tfno.: 34 985794800

fax: 34 985794810

**COMPOSITION / INDICATIONS TO COMPONENTS:** Chemical characteristics:  
polymer of ethylene CAS-number: not-necessary.

**POSSIBLE DANGERS:** unknown

**FIRST-AID MEASURES:** general comment: medical aid is not necessary,  
first-aid measures:none.

Routes of exposure: none

Symptoms /effects:none

**FIRE-FIGHTING MEASURES:** suitable fire-fighting appliance\_ water fog, foam,  
fire fighting powder, carbon dioxide. Hazard warning notice: not applicable.

**MEASURES IN CASE OF UNINTENDED RELEASE:** Person-related  
measures: none.

Environmental protection measures: not applicable

Cleaning equipment: not applicable

Unsuitable cleaning products: not applicable.

**HANDLING AND STORAGE:** Handling: no special regulations must be  
observed.

Storage: unlimited good storage property.

**LIMITATION OF EXPOSITION:** Special design of techn. processing facilities:  
not required.

Tolerance levels:none.

Exposure measurement procedures: none.

Respiratory protection: not required.

Eye protection: not required.

Body protection: not required.

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### **PHYSICAL AND CHEMICAL CHARACTERISTICS:**

Phenotype: color natural.

Phenotype form: semi-finished product

Smell: not applicable.

Change of state: Intervalo de función de la cristalit: 126-130°C

Other remarks: densidad: 0,947 g/cm<sup>3</sup>.

### **STABILITY AND REACTIVITY**

Thermal decomposition: above appr. 300°C

Dangerous decomposition products:

Besides carbon black also carbon dioxide and water as well as low molecular parts of PE will develop during the burning process. In case of incomplete burning also carbon monoxide may arise.

Use of stabilisers: none

Exothermic reactions: none.

Notices regarding state of aggregation: none.

### **TOXIC INDICATIONS**

Conditions to be avoided: none

Substances/media to be avoided: none.

During several years of usage no effects being harmful for the health were observed.

### **ECOLOGICAL INDICATIONS.**

No biodegradation, no solubility in water, no effects being harmful to the environment must be expected.

Mobility: not applicable.

Accumulation: not applicable

Eco-toxicity: not applicable.

### **WASTE-DISPOSAL INDICATIONS.**

Can be recycled or can be disposed of together with household rubbish (acc. to local regulations). Waste key for the unused product: EAK-Code 120 105.

Waste name: waste of polyolefine.

### **TRANSPORT INDICATIONS.**

Not dangerous product in respect to /according to transport regulations.

Notice/symbol transport containers: none

Special marking for containers: none

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### **INSTRUCTIONS.**

Marking according to GefSotffV/EG: no obligation for marking. Water danger  
Domestic requirements to be observed: none.

### **FURTHER INDICATIONS**

The indications are based on our today's knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.

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