

# ICORENE® 2910

Ethylene-based Plastomer

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® 2910 is an ethylene based octene plastomer powder specifically developed for rotational moulding.  
ICORENE® 2910 is designed for use in applications requiring a very flexible material.  
(ICORENE® M489)  
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| General Information                         |                      |                   |                 |
|---|----------------------|-------------------|-----------------|
| Additive                                    | UV Stabilizer        |                   |                 |
| Features                                    | Good Flexibility     |                   |                 |
|   | Good UV Resistance   |                   |                 |
|   | Octene Comonomer     |                   |                 |
|   | Ultra High Toughness |                   |                 |
| Uses  | Flotation Devices    |                   |                 |
| Appearance                                  | Natural Color        |                   |                 |
|   | Unspecified Color    |                   |                 |
| Forms                                       | Powder               |                   |                 |
| Processing Method                           | Rotational Molding   |                   |                 |
| Physical                                    | Nominal Value        | Unit              | Test Method     |
| Density                                     | 0.882                | g/cm <sup>3</sup> | ASTM D1505      |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)   | 10                   | g/10 min          | ASTM D1238      |
| Mechanical                                  | Nominal Value        | Unit              | Test Method     |
| Tensile Strength (Break)                    | 11.0                 | MPa               | ASTM D638       |
| Tensile Elongation (Break)                  | > 1000               | %                 | ASTM D638       |
| Flexural Modulus                            | 24.0                 | MPa               | ASTM D790       |
| Impact                                      | Nominal Value        | Unit              | Test Method     |
| Drop Impact Resistance <sup>1</sup> (-20°C) | 180                  | J/cm              | Internal Method |
| Thermal                                     | Nominal Value        | Unit              | Test Method     |
| Vicat Softening Temperature                 | 46.0                 | °C                | ISO 306         |
| NOTE  |                      |                   |                 |

1. Based on ISO 6603

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