

ICORENE® K 4140

Crosslinked Polyethylene
ICO Polymers SA, A Division of A. Schulman

Message:

ICORENE® K 4140 is a Crosslinked Polyethylene product. It can be processed by rotational molding and is available in Latin America.
Characteristics include:
Copolymer
Crosslinkable
Good UV Resistance
Impact Resistant
Octene Comonomer

| General Information | | | |
|---|--------------------------|-------------------|-------------|
| Additive | UV Stabilizer | | |
| Features | Copolymer | | |
| | Crosslinkable | | |
| | Good Abrasion Resistance | | |
| | Good Impact Resistance | | |
| | Good UV Resistance | | |
| | High Rigidity | | |
| | Octene Comonomer | | |
| Appearance | Natural Color | | |
| Forms | Powder | | |
| Processing Method | Rotational Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.941 | g/cm ³ | ASTM D1505 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 20.5 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 950 | % | ASTM D638 |
| Flexural Modulus ³ | 760 | MPa | ASTM D790 |
| Aging | Nominal Value | Unit | Test Method |
| Accelerated Aging | 5.5 | month | ASTM G26 |
| NOTE | | | |
| 1. | 50 mm/min | | |
| 2. | 50 mm/min | | |
| 3. | 1.3 mm/min | | |

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