

ICORENE 4-3545

Grade 3545

General purpose medium

LMDPE rotational moulding resin

Density	0.935	g/cm ³
Melt index	4.5	g/10 min

Product Description

ICORENE 4-3545 is a linear medium density polyethylene developed for rotational moulding. This ICORENE® grade is suitable for use in general purpose applications. It has a good balance of properties such as toughness, easy flow and stiffness. The resin is fully UV protected.

Key Characteristics

- Good physical properties
- Easy moulding
- UV stabilised

Physical Properties

Property		Value	Units	Test Method
Density		0.935	g/cm ³	ASTM D 1505
Melt index	(2.16kg/190 °C)	4.5	g/10 min	ASTM D 1238
Hardness Shore D		58		ASTM D 2240
Flexural modulus	(1.3mm/min)	670	MPa	ASTM D 790
Tensile strength at yield	(50mm/min)	17.5	MPa	ASTM D 638
Instrumented impact -20° C*		21	J/mm	ICO R&D 1.14
ESCR	F50, 100% Igepal CO 630 @ 50°C	800	Hrs	ASTM D 1693

* Rotomoulded test sample

Other Properties

Property	Value	Units	Test Method
UV light weatherometer testing	8000 **	Hrs	ASTM G 26

** Test results pending - performance expected to exceed this value.

Product Support

For further information on this or any other ICO Polymers product, contact your local ICO Polymers account manager or visit www.icopolymers.com

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