

# ICORENE® 1339

Density

0.943 g/cm<sup>3</sup>

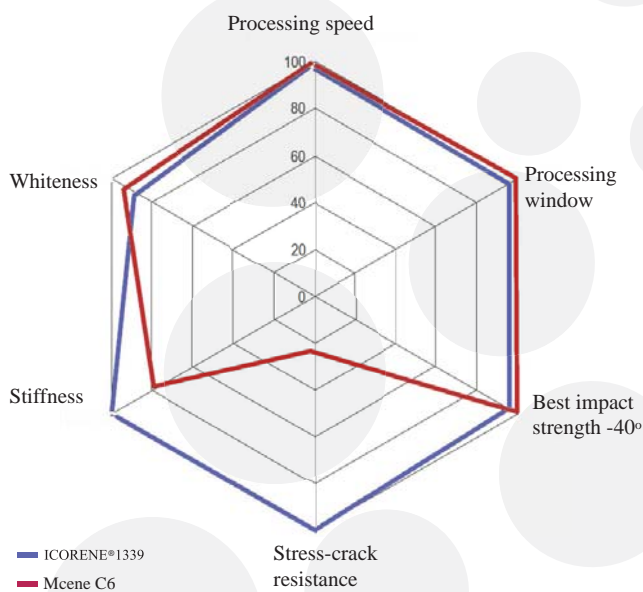
MFI

3.0 g/10min



## A new level of balance

ICORENE® 1339, the exceptionally stiff and tough HDPE rotomoulding resin that also offers great ESCR and mouldability



### Features and benefits:

- Excellent balance of stiffness and toughness for improved light weighting and impact resistance
- Extremely easy processing with easy release and low warpage
- Superior stress crack resistance
- Best UV stabilisation in its class



Spider diagram showing how the ICORENE® 1339 Ineos resin compares with a leading mPE

# ICORENE® 1339

ICORENE® 1339 test comparison with Select European Resins <sup>(3)</sup>

Property <sup>(1)</sup>	Test method	Unit	ICORENE® 1339	Hexene mPE 940	Octene zPE 939
Melt index	ISO 1133	g/10 min	3.0	4.0	3.8
Density	ISO 187	g/cm <sup>3</sup>	0.943	0.940	0.939
Tensile stress at yield	ISO 527	MPa	21	20	19
Elongation at break	ISO 527	%	>1000	>1000	700
Flexural modulus	ISO 178	MPa	900	750	730
ESCR BTT bent strip, 10% F50 A	ASTM D1693	Hours	400	45	380
Hardness (Shore D)	ISO 868	-	63	60	60
Instrumented dart impact strength	R&D 4.140 <sup>(2)</sup>	J/mm	21	21	20
Whiteness	Ganz		73	75	75

(1) The values indicated in the table describe typical properties of the natural resin without additives. They do not constitute specification limits.

(2) ICO Polymers test method R&D 4.140 at -20oC based on ISO 6603.

(3) Data from single ICO comparative test

## Applications:

- Oil storage tanks
- Water tanks
- Underground tanks
- Boats and canoes
- Materials handling containers
- Vacuum tanks
- Large marine products

Toughness and  
stiffness

ESCR and  
Fast moulding

For more information about ICORENE® 1339 please contact:

ICO France: +33 (0) 1 60 73 53 53, ICO Holland: +31 (0) 78 673 8111, ICO Italy: +39 (0) 30 9363011,  
ICO UK: +44 (0) 1427 676767 [europesales@icopolymers.com](mailto:europesales@icopolymers.com) [www.icopolymers.com](http://www.icopolymers.com)

