

Certificate of Analysis

Producer :	Oceanize
Reference number	Material from feeding pipes

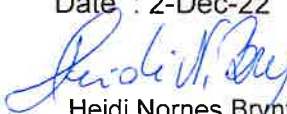
Norner AS is maintained by ISO 9001:2008 and administrated by certification body "Det Norske Veritas".

The certification of ISO9001 is valid from 2009.04.16

PROPERTIES*	UNIT	TEST METHOD	TEST VALUE	Max / Min
MFR 190°C / 5.0kg	g/10min	ISO1133	0.34	0.38/0.25
Density	Kg/m ³	ISO 1183-1/A	947	956/939
Tensile modulus @ 23°C 1 mm/min	MPa	ISO527-2	760	944/598
Stress at yield @ 23°C, 50 mm/min	MPa	ISO527-2	26	30/21
Strain at yield @ 23°C, 50 mm/min	%	ISO527-2	12	13/10
Charpy Impact notched @ 23 °C	kJ/m ²	ISO 179/1eA	27.3	39.4/19.8
OIT / Thermal Stability at 210 °C	Min	ISO11357	13.7	24.6/6.8
HDT, Method B (0.45 MPa)	°C	ISO75-2	58	56/60
ShoreD @ 23 °C		ISO868	59	60/59
Ash residue	Wt%	ISO 3451-1	0.08	0.18/0.045
Additives / anti-oxidant (active)	ppm	Norner internal	1090	1260/310

*Based on average on tests of 5 random batches

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