

PRODUCT TECHNICAL DATA SHEET

ROWAD HDPE WELDING ROD (HD-WR):

ROWAD HDPE Welding Rods are produced from first quality, high molecular weight resins. An extrusion weld is produced by using welding rod. The welding rod is applied as a welding bead at the edge of two overlapped geomembrane liners, resulting an extrusion seam. Rowad Welding Rods are durable and have been formulated to be resistant to chemicals, ultraviolet degradation and leaching additives. Welding rod Specifications shown below is based on Rowad Spec.

Properties	Test Method	Frequency	Qualifier	4.00mm	5.00mm	Unit
Diameter	RTM	Each roll	Avg	4.00	5.00	mm
Melt Flow Index	ASTM D 1238 (190 / 2.16)	Per Lot	Max	1.0	1.0	g/10 min
Oxidative Induction Time	ASTM D 3895	Per Lot	Min	100	100	minutes
Carbon Black Content	ASTM D 1603	Per Lot	Range	2-3	2-3	%
Carbon Black Dispersion ₁	ASTM D 5596	Per Lot	Note:1	Cat1 or 2	Cat1 or 2	Category
Density	ASTM D 792	Per Lot	Min	0.940	0.940	g/cm ³

NOTES:

- 1: Carbon black Dispersion only applies to near spherical agglomerates. 10 of 10 views in Category 1 or 2.
- 2: Testing frequencies are rounded the nearest full roll.
- 3: Roll lengths & widths have a tolerance of ±1%.
- 4: NCTL/OIT Results For Smooth and Textured materials are taken from SMOOTH Section/Selvage of the Role & All 3rd Party Tests must be taken from this section only.
5. Where offered- Conductive layers will be complete across the bottom of each role. (Standard Conductive will be BF or FD while Premium conductive will be BF only).
6. For reference; BF= Blown Film, FD= Flat Die.
7. Where offered single Textured rolls will be located on the upper face Unless otherwise agreed.



Office & Factory:

2nd Industrial City, Street No: 42
P.O Box 14164 – Dammam 31424 , Saudi Arabia
Tel: +966 13 8121360
Email: info@rowadgeo.com
www.rowadplastic.com