



P.O. Box 549 • Cotati, CA 94931 • (707) 795-3141 • Fax (707) 795-8691

40 MIL RPE COEX Reinforced Polyethylene

DATA SHEET

Heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. This product is a combination of polyethylene reinforcement and co-extrusion which enhances UV resistance and improves physical properties. For use in geomembrane applications such as soil remediation, pond lining, canal lining, landfill covers, tank lining, etc.

FABRIC SPECIFICATIONS

WEAVE Woven black HDPE scrim
 COATING Top side – 17.5 mil LLDPE/LDPE w/ special blend
 Bottom side – 5 mil LLDPE
 COLOR Black/Black
 WEIGHT 20.8 oz/yd² (705 g/m²) +/- 5%
 THICKNESS Nominal 40 mil (1.0 mm) +/- 10% ASTM D1777

GRAB TENSILE	Warp 418 lb 1859 N	Weft 385 lb 1712 N	ASTM D7-7004
TOUNGE TEAR	Warp 55 lb 244 N	Weft 55 lb 244 N	ASTM D5884-01
TRAPEZOIDAL TEAR	Warp 80 lb 355 N	Weft 66 lb 293N	ASTM D4533-04
MULLEN BURST	800 psi 5517 kPa		ASTM D3786-01
HYDROSTATIC RESISTANCE	769 psi 5302kPa		ASTM D751-00
PERMEABILITY	2.06x 10 ⁻¹² cm/sec		ASTM D4491-99a
PUNCTURE RESISTANCE INDEX	243lb 1076N		ASTM D4833-02

All information, recommendations and suggestions appearing in this literature concerning the use of our products are based upon test and data believed to be reliable; however, it is the user's responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made by Carson MFG. as to the effects of such use or the results to be obtained, nor does Carson MFG. assume any liability in connection herewith. Any Statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein contained is to be construed as permission or as a recommendation to infringe any patent.