Product Data Sheet

DeWAL® DW353V

ePTFE membrane for industrial venting applications

The DeWAL® DW353V series is a heat stabilized, uni-axially oriented, expanded PTFE (polytetrafluoroethylene) membrane product family. Available at lower densities, it has all the benefits of PTFE: exceptional chemical resistance, dimensional stability, extreme temperature range (from - 450 to +500°F), low coefficient of friction, excellent drape characteristics, and non-stick properties. Combined with lower densities than that of full density non-expanded PTFE, the controlled pore size and natural hydrophobicity of the expanded PTFE membrane makes it ideal for applications requiring liquid and particulate ingress protection, while allowing for vapor release and pressure equalization.

PRODUCT	LAMINATE MATERIAL	TOTAL THICKNESS [ASTM D374]	MAX AVAILABLE WIDTH	DENSITY [ASTM-D792]	THICKNESS OF EPTFE [ASTM D374}	MAX OPERATING TEMP	AIRFLOW, AVERAGE [@70 MBAR, ASTM D737]	WATER ENTRY PRESSURE, MIN [ASTM D751]	TENSILE STRENGTH [ASTM D6040]	ELONGATION [ASTM D6040]	WATER AND DUST INGRESS PROTECTION [IEC 60529]
		mm (in)	*cm (in)*	*g/cc*	*mm (in)*	*°C (°F)*	*L/Hr/cm²*	*kPa (psi)*	*psi*	*%*	
DW353V-03	None - ePTFE only	0.076 (0.003)	15 (6)	0.7	0.076 (0.003)	260 (500)	20	138 (20)	2000	15	IP67

Values are presented as guidelines - material should be tested to the final application needs and design

PACKAGING SPECIFICATIONS	VALUE	
Width	2.54 to 60.96 cm (Product Dependent)	
Max. Roll O.D.	10 in. (Product Dependent)	25.4 cm (Product Dependent)
Plastic or Cardboard Core Dia.	3 in	7.62 cm

ROGERS CORPORATION