

SMITHERS - OASIS ENGINEERED PRODUCTS

TECHNICAL DATA SHEET

HD-DRY Series

High Density Non-Absorbent Foams

Typical Values

PROPERTY	UNITS	HD-DRY-5	HD-DRY-10	HD-DRY-20	TEST METHOD
Color		Yellow	Yellow	Yellow	
Density	lb/ft ³	5	10	20	ASTM D 1622
	kg/m ³	80	160	320	
Compression Strength	psi	103	320	2255	ASTM D 1621 Parallel to rise
	kPa	710	2206	15548	
Shear Strength	psi	35	57	144	ASTM C273 in Compression
	kPa	241	393	993	
Shear Modulus	psi	669	781	1606	
	kPa	4613	5385	11073	
Open/Closed Cell		Open	Open	Open	
Open Cell Content	%	94	87	80	ASTM D 2856
Thermal Conductivity	BTU·in/h·ft ² ·°F	0.0208	0.0261	0.0342	ASTM C518 (1" sample)
	W/mK	0.036	0.0451	0.0592	
	R-value (°F·ft ² ·h/BTU)	4.01	3.20	2.44	
	RSI-value (K·m ² /W)	0.71	0.56	0.43	

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