



HANNA RUBBER COMPANY

Specification Sheet

HR1171 Polychloroprene (Neoprene) Foam

HR 1171 is an open-cell, flexible polychloroprene (Neoprene) latex foam that provides good chemical resistance and excellent fluid transfer characteristics. HR 1171 is widely used as a roller foam for dispensing stencil ink and is a direct replacement for Marsh Ink Rollers.

The foam is manufactured in multiple densities, each generating unique physical properties as identified in the table below.

Physical Property Specifications

Physical Property	Test Method	Specification Range
Density, Apparent (pounds/cubic foot)	ASTM D3574	Medium: 6.5-7.5
		Firm: 7.5-8.5
		1X-Firm: 9.0-10.0
		2X-Firm: 10.0-11.0
		3X-Firm: 11.0-12.0
Indentation Load Deflection 25% deflection @ 2 inch (pounds/50 square inch)	ASTM D1055	Medium: 30-45
		Firm: 45-65
		1X-Firm: 70-90
		2X-Firm: 90-115
		3X-Firm: 115-135
Tensile (pounds/square inch)	ASTM D3574	10 minimum
Elongation (%)	ASTM D3574	100 minimum
Compression Set 50% constant deflection (%)	ASTM D1055	10 maximum

Hanna Rubber accepts no responsibility for results obtained. Each user of these products, or information, should perform their own tests to determine the suitability of the material. Hanna Rubber does not guarantee that the user will obtain the same results. The data and information are subject to change without notice.

Revision Date: August 20, 2008



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Physical Property Specifications

Physical Property	Test Method	Specification Range
Density, Apparent (pounds/cubic foot)	ASTM D3574	4X-Firm: 18.0-22.0
		5X-Firm: 24.0-28.0
Indentation Load Deflection 25% deflection @ 2 inch (pounds/50 square inch)	ASTM D1055	4X-Firm: 325-375
		5X-Firm: 725-800
Tensile (pounds/square inch)	ASTM D3574	10 minimum
Elongation (%)	ASTM D3574	100 minimum
Compression Set 50% constant deflection (%)	ASTM D1055	10 maximum

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Revision Date: June 6, 2011