

### Carpet - Typical R-Values

Sample No.	Fiber Type	Yarn Type	Style	Pile Height (Inches)	Pile Weight (oz/sq. yd.)	Gauge	Stitche per Inch	Tufts/In SPI x GA	R-Value
1	Nylon	CF	LL	0.125	10	1/10	8.0	80	0.68
2	Nylon	CF	LL	0.109	20	1/8	6.0	48	0.65
3	Nylon	CF	LL	0.192	28	1/8	8.4	67.2	0.67
4	Nylon	CF	LL	0.125	24	1/10	8.6	86	0.55
5	Nylon	S	Plush	0.250	24	1/8	11.0	88	1.12
6	Nylon	CF	HLL	--	24	5/32	8.6	55	1.33
7	Nylon	CF	Shag	1.070	24	3/16	5.2	27.7	1.51
8	Acrylic	S	LL	0.210	42	1/10	8.0	80	0.78
9	Acrylic	S	LL(FB)	0.210	42	1/10	8.0	80	1.03
10	Polyester	S	Plush	0.280	42	5/32	8.5	54.4	0.95
11	Polyester	S	HLL	--	42	5/32	8.5	54.4	1.66
12	Nylon	S	Saxony	0.552	40	3/16	5.5	29.3	1.96
13	Nylon	CF	Shag	1.250	43	3/16	4.2	22.4	2.46
14	Wool	S	Plush	0.487	43	5/32	7.0	44.8	2.19
15	Nylon	S	Plush	0.812	58	1/8	10.0	80	1.83
16	Acrylic	S	Plush	0.688	53	5/32	9.0	57.6	1.90
17	Acrylic	S	Plush	0.530	44	3/16	8.3	44	1.71
18	Olefin	CF	LL	--	20	--	--	--	0.70

#### Legend

**LL** - Level Loop

**HLL** - High-Low Loop (tip sheared)

**FB** - Attached foam back

**S** - Spun Yarn

**CF** - Continuous Filament Yarn

### Carpet Cushion - Typical R-Values

Material	Thickness (in.)	Weight (oz/sq. yd.)	Density (lbs/cubic ft.)	R-Value
Prime Polyurethane	0.40	10.3	2.2	1.61
Slab Rubber	0.23	62.0	--	0.62
Waffled Sponge Rubber	0.43	49.2	--	0.78
Hair & Jute Coated	0.44	52.6	--	1.71
Bonded Polyurethane	0.50	--	4.0	2.09