

# CHEMICAL RESISTANT SPC

## BY DURCON™

### Physical Test Results

Test	Test Method	Unit		Chemical Resistant SPC
Resistance to Surface Wear	EN 438-2:10	Revolutions (min)	Initial Point/Wear Value	≥ 150 / ≥ 350
Resistance to Impact	EN 438-2:21	Indention Diameter	mm	≤ 1
		Cracks or Scoring	Presence	No
Resistance to Scratch	EN 438-2:25	Force (N)	Rating (min)	≥ 2
Resistance to Dry Heat (160°C/320°F)	EN 438-2:16	Appearance	Rating (min)	≥ 4
Resistance to Wet Heat (100°C/212°F)	EN 12721	Appearance	Rating (min)	≥ 4
Resistance to Immersion in Boiling Water	EN 438-2:12	Mass Increase (%max)	t ≥ 6mm	≤ 1
		Thickness Increase	t ≥ 6mm	≤ 0.1
		Appearance	Rating (min)	≥ 5
Dimensional Stability in Elevated Temperature	EN 438-2:17	Cumulative Dimensional Change	Longitudinal %	Testing in Progress
		Cumulative Dimensional Change	Transversial %	Testing in Progress
Resistance to Staining	EN 438-2:26	Appearance Rating (min)	Group 1&2	≥ 5
		Appearance Rating (min)	Group 3	≥ 4
Light Fastness (xenon arc)	EN 438-2:27	Contrast (wool scale)	Rating (min)	≥ 5
Modulus of Elasticity	EN ISO 178/ASTM 638-08	MD Stress	MPa (psi)	Testing in Progress
		CD Stress		Testing in Progress
Flexural Strength	EN ISO 178/ASTM 790-08	MD Stress	MPa (psi)	Testing in Progress
		CD Stress		Testing in Progress
Tensile Strength	EN ISO 527-2/ASTM 638-08	MD Stress	MPa (psi)	Testing in Progress
		CD Stress		Testing in Progress
Density	EN ISO 1183/ASTM 792-08	Density	g/cm <sup>3</sup>	≥ 1.35
Surface Burning Characteristics	ASTM E-84/UL 723	Classification	Class	Testing in Progress
		Flame Spread Index	FSI	Testing in Progress
		Smoke Development Index	SDI	Testing in Progress

### EN Rating Scale

**Rating 5** - No visible change

**Rating 4** - Slight change of gloss and/or color, only visible at certain viewing angles

**Rating 3** - Moderate change of gloss and/or color

**Rating 2** - Marked change of gloss and/or color

**Rating 1** - Blistering and/or delamination