



Derkim Poliüretan San. Ve Tic. A.Ş.

Fevzipaşa Mah. Gülbağlar Sok. No:6/A

Değirmenköy-Silivri/İSTANBUL

☎ 0 212 963 06 54

Component A (POLYOL) : CORPOLI 2180A

Component B (ISOCYANATE) : CORATE 4022B

➤ **TYPICAL CHEMICAL PHYSICAL PROPERTIES :**

Parameter	Component A (POLYOL)	Component B (ISOCYANATE)	Unit
	CORPOLI 2180A	CORATE 4022B	
Apperance at room temperature	Semi Solid	Liquid/Waxy	-
Melting point	70-80	70-80	°C
Solid material melting time	12-24	12-24	hrs
Viscosity at 35 °C	1200-1700	370-420	mPa·s
Density at working temperature	1,16	1,18	g/cm ³

➤ **SHELF LIFE :**

6 months from manufacturing stored in its original sealed packaging at proper conditions.

➤ **HANDLING :**

	Component A (POLYOL) CORPOLI 2180A	Component B (ISOCYANATE) CORATE 4022B	
Parameter	Specific Value	Specific Value	Unit
Mixing ratio	100	95	p.b.w
Working temperature	45-50	35-40	°C
Moulds temperature	55-65		°C
Demoulding time	120-150		sec
Reaction performance (Cream Time/Thread Time)	8-10 / 20-25		sec
Free Density	0,20-0,22		g/cm ³

➤ **MECHANICAL PERFORMANCE OF THE FOAM**

Parameter	Specific Value	Unit
Density (UNI 10902)	0,35-0,40	g/cm ³
Hardness (UNI EN ISO 868)	55-65	Shore A
Elongation at break (UNI EN 12803)	> 250	%
Tensile strength at break (UNI 12803)	> 5	MPa
Tear Resistance (UNI EN 12771)	> 6	N/mm
Abrasion resistance (UNI EN 12770)	< 250	mg
Flexural fatigue resistance (UNI EN ISO 17707) Test temperature : + 23 °C without original hole	NO BREAKING	-

Ageing (UNI EN 12749)

Parameter	Specific Value	Unit
Elongation at break (UNI EN 12803)	> 250	g/cm ³
Tensile strength at break (UNI EN 12803)	> 5	N/mm
Flexural fatigue resistance (UNI EN ISO 17707) Test temperature : + 23 °C without original hole	NO BREAKING	-