



TECHNICAL DATA SHEET – FLEXIBLE PVC SHEET

Test Method	Typical Values for Purchase			Unit	Property	No.
	Clear Grade (Clear)	High Strength Grade (High Strength)	General Purpose Grade (General Purpose)			
-	Flexible PVC	Flexible PVC	Flexible PVC	-	Material Type	1
Visual	Smooth, uniform surface, free from bubbles, cracks and impurities			-	Appearance	2
-	Available upon request			-	Color	3
Gauge	1 – 8	1 – 8	1 – 8	mm	Thickness	4
-	±10%	±10%	±10%	mm	Thickness Tolerance	5
-	0.9 – 1.8	0.9 – 1.8	0.9 – 1.8	m	Width / Roll	6
ISO 1183 ASTM D792	1.20 – 1.30	1.25 – 1.45	1.20 – 1.40	g/cm ³	Density	7
ASTM D2240 ISO 868	65 – 80	75 – 90	60 – 75	Shore A	Hardness	8
ISO 527 ASTM D638	≥ 12	≥ 16	≥ 10	MPa	Tensile Strength	9
ISO 527 ASTM D638	≥ 250	≥ 250	≥ 200	%	Elongation at Break	10
ISO 34-1 ASTM D624	≥ 45	≥ 50	≥ 40	kN/m	Tear Strength	11
-	-20 to +50	-20 to +50	-20 to +50	°C	Service Temperature	12
ASTM D746	≤ -30	≤ -35	≤ -30	°C	Brittleness Temperature	13
-	Good	Good	Good	-	Water Resistance	14
-	Good (dilute acids & alkalis)	Good (dilute acids & alkalis)	Good (dilute acids & alkalis)	-	Chemical Resistance	15
-	Good to Moderate	Good	Good	-	Oil & Grease Resistance	16
-	Moderate	Moderate	Moderate	-	UV & Weather Resistance	17
-	Good	Good	Good	-	Flame Retardant (Self-Extinguishing)	18

Note: The above values are typical for standard formulations and may vary depending on the manufacturer and product thickness.



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