



IKO TECHNICAL DATA SHEET

STOCK NO. 7920058

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ArmourCool Granular TP-HD-Cap

ArmourCool Granular TP-HD-Cap is a highly reflective white granulated SBS cap sheet with a tough composite reinforcement of non-woven polyester strengthened with a glass fiber scrim in both machine and cross directions. Reflective mineral granules (≥ 82 SRI) are embedded in the surface of the product to provide protection against ultraviolet radiation. ArmourCool Granular TP-HD-Cap can be used as either a protective cap for a conventional BUR system or as the top ply in a two-ply modified system. This product meets the requirements of CSA A123.23 Type C Grade 1.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TYPICAL TEST PERFORMANCE
Rolls per Pallet:	-	-	-	24
Length:	m (ft)	-	-	8 (26.2)
Width:	mm (in)	-	-	1005 (39.6)
Thickness:	mm (mils)	-	-	5.0 (197)
Selvage Width:	mm (in)	-	-	90 (3.5)
Selvage Thickness:	mm (mils)	CSA A123.23	ASTM D5147	2.95 (116)
Mass Per Unit Area:	kg/m ² (lb/100ft ²)	CSA A123.23	ASTM D5147	4.98 (102)
Back Surface Coating Thickness:	mm (mils)	CSA A123.23	ASTM D5147	1.30 (51.2)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	42.1/22.0 (240/126)
After heat conditioning				30.6/17.9 (175/102)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	26.1/22.4 (149/128)
After heat conditioning				27.8/18.7 (159/107)
Peak Load, @ 23 °C MD/XD: Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	23.8/14.5 (136/82.7)
After heat conditioning				21.4/12.8 (122/72.9)
Peak Load, @ -18 °C MD/XD: Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	24.7/18.6 (141/106)
After heat conditioning				24.3/16.8 (139/95.9)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning	%	CSA A123.23	ASTM D5147	75.0/58.7
After heat conditioning				56.3/49.0
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning	%	CSA A123.23	ASTM D5147	49.5/70.5
After heat conditioning				63.5/59.0
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning	%	CSA A123.23	ASTM D5147	78.0/89.8
After heat conditioning				59.1/55.3
Low Temperature Flexibility MD/XD: Before heat conditioning	°C	CSA A12.23	ASTM D5147	-18/-18
After heat conditioning				-18/-18
Low Temperature Flexibility after UV Weathering:	°C (°F)	CSA A123.23	ASTM D5147	-12
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	0.36/0.04
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	91
Granular Embedment	g (oz)	CSA A123.23	ASTM D4977	1.70 (0.06)
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

IKO's products adhere to the industry standards of the jurisdiction in which they are sold by IKO. Numerical testing scores listed herein, if any, relate only to the samples tested and the standards & procedures listed herein. IKO does not guarantee that every IKO product will, upon similar testing, reveal an identical score to those set forth herein. IKO does not accept responsibility for any matters arising or consequences from the use of numerical testing scores.