



NR AGARWAL INDUSTRIES LTD.UNIT 5 (PM2)

Product Specification (Proposed)

Quality: NR Pearl Pac

Substance g/m ²	Caliper μ	Bulk cc/gm	Bending Resistance, mN (L&W)				Properties	UOM	Value	Standard	
			MD	CD	GM	MD/CD					
T410	T 411		T556								
230	368	1.60	208	112	153	1.9	Roughness 230-300 g/m ²	μ	1.5 ± 0.2	T555	
250	400	1.60	280	146	202	1.9	PPS (Avg. Top) >301 g/m ²		1.6 ± 0.2		
270	432	1.60	362	185	259	2.0	Surface Strength	m/s	1.2 Min	ISO 3782	
285	456	1.60	399	195	279	2.0	IGT Pick (MV) Top				
300	480	1.60	484	237	339	2.0	ISO Brightness (L&W Elrepho) Top	%	90 ± 1	ISO 2470	
320	512	1.60	590	291	414	2.0	CIE Whiteness Top	%	110 Min	ISO 11475	
350	560	1.60	713	352	501	2.0	Moisture Content <300	%	6.0-7.5	T 412	
380	608	1.60	900	455	640	2.0	>301		7.0-8.5		
400	640	1.60	980	482	687	2.0	Gloss at 75° Top	%	40 Min	T 480	
Tol : ± 3%	±5%		± 15% on GM Value					Scott Ply Bond	J/m ²	>140	T 569
							Cobb ₆₀ Top	g/m ²	35 ± 5	T 441	
							Back		40 ± 5		

Construction



Note:

1. Test Conditions -Temperature 23±1°C & Relative Humidity 50±2%. (Tappi 402)
2. All properties are according to NRAIL Unit 5, Sarigam measurements.
3. Tolerance are based upon 95% confidence limits of single mill measurement of conditioned random samples.
4. FSC Mix,coated virgin board is supplied on demand.
5. Regulatory: REACH,FDA, Heavy metal, ROHS

NR Pearl Pac is a premium-grade virgin fiber paperboard, expertly engineered for high-performance printing, converting, and packaging applications. Made from 100% virgin bleached pulp, it features a coated top surface and a starch-coated reverse, ensuring outstanding print quality, consistent visual appeal, and dependable structural integrity. Developed to meet the rigorous demands of premium brands and modern production lines, NR Pearl Pac delivers the perfect balance of aesthetics and performance,making it ideal for a wide range of packaging formats and graphic applications.

Being a progressive organization,NR Agarwal Industries Ltd. continually evolves in response to customer requirements.The specification mentioned are therefore subject to change.

Date: 26.07.2025

Revision: 0.0