



KAPSTONE
PAPER AND PACKAGING CORPORATION

PRODUCT SPECIFICATION

| TEST | Units | Minimum | Maximum | Test Method |
|--|------------|---------|---------|---------------------------------------|
| CONDITIONED WEIGHT ROLL AVG | gsm | 220.2 | 244.1 | <i>On-line Scanning</i> |
| MOISTURE ROLL AVG | % | 6.0 | 9.0 | <i>On-line Scanning</i> |
| GURLEY POROSITY | sec/100ml | 10 | 110 | <i>T 460 om-96</i> |
| COBB SIZE - Top (2 min) | gsm | 25 | 70 | <i>T 441 om-98</i> |
| COBB SIZE - Bottom (2 min) | gsm | 35 | 75 | <i>T 441 om-98</i> |
| BURST (MULLEN) | kPa | - | - | <i>T 403 om-97</i> |
| COMPRESSION STRENGTH (CD STFI) | kN/m | 4.5 | - | <i>T 826 pm-92</i> |
| TABER ABRASIVITY | mg/1000rev | - | 400 | <i>T 476 om-97</i> |
| Comments: Testing is Reel average unless noted otherwise Reel Average Internal Bond Minimum Specification of 179 J/m ² KL and KLP Roll Average Sheffield Smoothness Maximum = 400 HCL and UPL Roll Average Sheffield Smoothness Maximum = 405 | | | | |
| PRODUCT NAME: 230 GSM HCL | | | | Date Published 5/5/2016 |