



ExcelPlas

SAMPLE DATA SHEET

Job # 6063 Sample 4 – 2.0mm Double Sided Smooth Roll # 584

Client: **Gecat Plastic Factory Ltd**

Street No. 116, Dammam Second Industrial City, P.O. Box 3371, Dammam 31451

Tests undertaken	Result
Density (ASTM D 792)	0.949 g/cm ³ (s.d. 0.001)
Thickness (ASTM D 5199)	Average 2.02 mm (s.d. 0.066); Minimum 1.88mm
Tensile Strength at Yield (ASTM D 6693)	MD 42.1N/mm (s.d. 0.94) TD 40.7N/mm (s.d. 0.74)
Tensile Elongation at Yield (ASTM D 6693)	MD 16% (s.d. 0.85) TD 17% (s.d. 0.55)
Tensile Strength at Break (ASTM D 6693)	MD 71.3N/mm (s.d. 1.91) TD 65.6N/mm (s.d. 5.55)
Tensile Elongation at Break (ASTM D 6693)	MD 730% (s.d. 17) TD 697% (s.d. 54)
Tear (ASTM D 1004)	MD 310N (s.d. 7.2) TD 312N (s.d. 8.4)
Rod Puncture (ASTM D 4833)	777N (s.d. 20)
MFR (ASTM D 1238)	0.109g/10min
S-OIT (ASTM D 3895)	195min
HP-OIT (ASTM D 5885)	1358min
UV (ASTM D 7238)	93.0%
Oven-Aging (ASTM D 5721)	91.1%
NCTL (ASTM D 5397)	>1100h (no failure observed)

All tests undertaken meet GRI-GM 13 (2016) and BPEM (VIC 2015) as applicable.



ExcelPlas Polymer Testing
Accreditation No. 17149
Accredited for compliance with ISO/IEC 17025

