



ExcelPlas

SAMPLE DATA SHEET

Job # 6063 Sample 2 – 1.5mm Double Sided Textured

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)	0.951 g/cm ³ (s.d. 0.002)
Core Thickness (ASTM D 5994)	Average 1.43mm (s.d. 0.036); Minimum 1.34mm
Asperity Heights	Side A 0.78mm (s.d. 0.061) Side B 0.40mm (s.d. 0.039)
Tensile Strength at Yield (ASTM D 6693)	MD 26.7N/mm (s.d. 0.40) TD 30.3N/mm (s.d. 0.24)
Tensile Elongation at Yield (ASTM D 6693)	MD 17% (s.d. 1.15) TD 13% (s.d. 1.08)
Tensile Strength at Break (ASTM D 6693)	MD 42.4N/mm (s.d. 2.36) TD 37.9N/mm (s.d. 3.28)
Tensile Elongation at Break (ASTM D 6693)	MD 636% (s.d. 30) TD 567% (s.d. 51)
Tear (ASTM D 1004)	MD 234N (s.d. 7.6) TD 223N (s.d. 8.6)
Rod Puncture (ASTM D 4833)	642N (s.d. 16)
MFR (ASTM D 1238)	0.138g/10min
S-OIT (ASTM D 3895)	223min
HP-OIT (ASTM D 5885)	1407min
UV (ASTM D 7238)	93.6%
Oven-Aging (ASTM D 5721)	88.5%
NCTL (ASTM D 5397)	>500h (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

