

Marlex® AGM-250

Polypropylene High-Impact Copolymer, Excellent Cold Temperature Performance

Nominal Physical Properties ⁽¹⁾ Testing Method: TSM0501G	Toyota Specification TSM 5514G-3B	AGM-250
Specific Gravity	0.89 – 0.91	0.90
Melt Flow Rate (g/10min)	25 - 35	27
Tensile Yield Strength (MPa) ⁽²⁾	20 min	21
Tensile Elongation at Break (%) ⁽²⁾	100 min	>500%
Flexural Modulus (MPa) ⁽³⁾	900 min	1000
Flexural Strength (MPa) ⁽³⁾	25 min	26
Notched Izod Impact Strength ⁽³⁾ at 23°C (J/M)	145 min	220
at -30°C (J/M)	45 min	50
Heat Deflection Temperature ⁽³⁾ 455 kPa (°C)	85 min	110
1820 kPa (°C)	50 min	55
Rockwell Hardness, R Scale	75 min	75
Brittleness Temperature (°C)	-20 max	-35

Notes:

- 1) The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.
- 2) Specimen thickness: 3.2 mm
- 3) Specimen thickness: 6.4 mm

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