Marlex®

HIGH PERFORMANCE POLYPROPYLENES

Marlex® AGN-200

Polypropylene Impact Copolymer, Cold Temperature Impact Resistant

Nominal Physical Properties (1)	ASTM Test Method	Traditional Units	SI Units
Density (2)	D1505	0.90 g/cc	900 Kg/m^3
Melt Flow *Condition 230°C / 2.16Kg*	D1238	21 g/10 min	21g/10 min
Tensile Yield Strength (2) *Type 1 Specimen, Rate 2"/min (50mm/min)*	D638	3,200 psi	22 Mpa
Flexural Modulus, Tangent (2) *Rate 0.5"/min, (13mm/min)* *Rate 0.05"/min (1.3mm/min)*	D790	 155,000 psi 135,000 psi	 1,100 MPa 950 MPa
Notched Izod Impact Strength (2) *at 73°F (23°C)* *at 32°F (0°C)* *at -22°F (-30°C)*	D256	 No Break 1.5 ft•lbf/in 0.7 ft•lbf/in	 No Break 80 J/m 37 J/m
Heat Deflection Temperature (2) *66 psi (0.455 MPa)* *264 psi (1.82 Mpa)*	D648	 194 °F 122 °F	 90 °C 50 °C
Rockwell Hardness, R Scale (2)	D785	80	80
Falling Dart(2), 0.5" tup, 150"/sec *Total Energy at -22°F (-30°C)*	D3763	250 in•lb	30 J

Agency Information:	Meets FDA Regulation 21 CFR 177.1520 and may be safely used as articles for use in contact with food except for articles used for packing or holding food during cooking. UL yellow card RTI of 65°C and a flame rating of UL94HB, these apply to natural color at a minimum thickness of 0.058"
Suggested Applications:	Automotive Interior Trim, Consumer Products, Industrial Products

(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) Tests performed using injection-molded specimens.

September 2005

Phillips Sumika Polypropylene Company

For more information and technical assistance contact:
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ISO 9002
Certificate Number: 31840