

**Total Lacqrene® 814(AS) High Impact Polystyrene (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polystyrene (PS)

**Material Notes:**

LACQRENE® 814 is a high impact, flame retardant polystyrene, free from PBDPE and with excellent thermal stability. Application Covers for electrical equipment, Office equipment: copiers, fax Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Lacqrene-814AS-High-Impact-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Lacqrene-814AS-High-Impact-Polystyrene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ASTM D1505
Water Absorption	<= 0.10 %	<= 0.10 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 200 °C	10 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238G

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.6 MPa	3270 psi	ASTM D638
Elongation at Break	45 %	45 %	ASTM D638M
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790
Izod Impact, Notched	0.883 J/cm	1.65 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	50N (T° increase = 5°C/h); ASTM D1525B
	97.0 °C	207 °F	10N (T° increase = 50°C/h); ASTM D1525A

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