

PolyOne Maxxam® RP81065 HIPS (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-RP81065-HIPS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Melt Flow	23 g/10 min @Load 2.16 kg, Temperature 230 °C	23 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	16.9 MPa @Thickness 3.17 mm	2450 psi @Thickness 0.125 in	2"/min speed; ASTM D638
Elongation at Break	50 % @Thickness 3.17 mm	50 % @Thickness 0.125 in	2"/min speed; ASTM D638
Flexural Yield Strength	27.9 MPa @Thickness 3.17 mm	4050 psi @Thickness 0.125 in	0.2"/min speed; ASTM D790
Flexural Modulus	1.482 GPa @Thickness 3.17 mm	214.9 ksi @Thickness 0.125 in	0.2"/min speed; ASTM D790
Izod Impact, Notched	0.800 J/cm @Thickness 3.17 mm	1.50 ft-lb/in @Thickness 0.125 in	ASTM D256

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