

Spartech SP-1010 Polyolefin Sheet

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , Polyolefin

Material Notes:

Description: Polyolefin Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-SP-1010-Polyolefin-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D638
Tensile Modulus	0.655 GPa	95.0 ksi	ASTM D638
Flexural Modulus	1.55 GPa	225 ksi	ASTM D790
Izod Impact, Unnotched	2.14 J/cm	4.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	108 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	60.0 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	80.0 $\text{Å}^\circ\text{C}$	176 $\text{Å}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

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