

Technical Bulletin SP-09

ASTM D-3363 Pencil Hardness Scale

Coated Sheet Products

Product information pages for SciCron Technologies coated sheet products reference ASTM D-3363 pencil hardness values for all products. These values provide a relative measure of the surface hardness for each respective product. Ratings are determined by systematically marking a sheet surface with a calibrated set of “lead” (graphite) pencils in a manner prescribed by the ASTM method. The reported pencil hardness rating is the hardness of the lead that just fails to scratch the surface.

Following is the pencil hardness scale and the ratings for several SciCron Technologies sheet products.

Pencil Hardness Scale



<u>Sheet Product</u>	<u>Product Type</u>	<u>Pencil Hardness Rating</u>
Uncoated Acrylic	Sheet Plastic	2H*
AC-300™ Acrylic	Static Dissipative Plastic	3H*
AC-350™ Acrylic (Bending Grade)	Static Dissipative Plastic	3H*
Mar-Con® Acrylic	Mar Resistant Plastic	4H*
Mar-Con® Acrylic - Forming Grade	Mar Resistant Plastic	4H*
Uncoated Polycarbonate	Sheet Plastic	B
PC-300™ Polycarbonate	Static Dissipative Plastic	HB
PC-350™ Polycarbonate (Bending Grade)	Static Dissipative Plastic	HB
Mar-Con® Polycarbonate	Mar Resistant Plastic	HB
Mar-Con® Polycarbonate - Forming Grade	Mar Resistant Plastic	HB
Uncoated PVC	Sheet Plastic	B
PVC-300™	Static Dissipative Plastic	HB
PVC-350™ (Bending Grade)	Static Dissipative Plastic	HB

*Cell cast acrylic

SP-09-4 5/17

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