



Alro Plastics

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KING PLASTI-SHIELD®

King Plasti-Shield®, the Borated Polyethylene Neutron Shielding

Physical Properties	ASTM Test	Value	Units
Density	D1505	1.04	g/cc
Tensile Strength @ Yield	D638	>3,960	psi
Durometer	D2240	66	Shore D
Vicat Softening	D1525	89°C (192°F)	°C (°F)

All values are determined on specimens prepared according to ASTM Standards.
Thickness required to attenuate a neutron beam by a factor of 10.m

Material	Density	Thickness
Water	1.0	8.8"
Concrete	2.4	9.6"
HD Concrete	3.5	9.6"
Iron	7.9	5.7"
Lead	11.3	7.8"
King Plasti-Shield 5%	1.04	8.0"

Custom and proprietary colors available with appropriate minimum order.
Nominal values should not be interpreted as specifications.