

Technical Data Sheet (GB40)

Quality: LDPE		Color: Dark grey
Classification :ASTM		Passed at 6.0mm thickness
LDPE series	Standard	
Material base	ISO 1629	Polyethylene (PE)
General description	Without Standard	Closed cell ,soft- Flexible , Sulfur free
Density	Without Standard	$250 \pm 30 \text{ kg/m}^3$
Application temperature	Without Standard	-10 to +100 °C , Short time to +110 °C
Outdoor exposure	ISO 877	Very good weather resistance
Shore hardness	Shore C	60 to 75
Water absorption	ASTM D1056	≤ 5
Form of delivery	Block size with production skin 1850 x 1150 x 28 mm, The material can be further processed by splitting, rolling, cutting, sawing, punching, gluing, layers, and coating with adhesives. General dimensional tolerances for sheet and sheet products comply with DIN 7715 P3, dimensional tolerances for the block material may differ.	
Examples for chemical resistances	Acids and bases in common concentrations, water, water steam up to 100 °C, sea water, potassium and sodium compounds, alum aqueous, detergent, photographic chemicals, ammonia cold, acetylene, alcohols, glycerine, brake fluids, glycol-based anti-freeze, carbonic acid, ozone, silicone oil, bleaching powder aqueous.(limited deployable) Chlorine gas, ammonia hot, conc. hydrochloric acid.(not recommended) Fuels, oils, greases, mineral spirits, solvents such as toluene, dichloromethane, trichloroethylene, perchloroethylene (PER), cellulose thinners, conc. nitric and sulfuric acid.	

