

General data sheet - FRP/ GRP Profiles

Manufacturing process	PULTRUSION (THROUGH AUTOMATIC PULTRUSION MACHINE)	
TECHNICAL DETAILS FOR PROFILES		
Major Raw Material	a. Isophthalic polyester OR Vinylester Resin System (Corrosion Resistant & UV Stabilized) b. Glass Fibre (Content range 55% to 60%)	
Profile names	C channels, Angle, Sq.Box, Round Tube, H Beams, I beams and other shapes as per portfolio.	
Standard Length	Up to 11800mm	
Colour	Any as per client requirement	
APPLICABLE STANDARDS		
As per CT1137 Standard / EN 13706 standard		
IS 6746-1994, Unsaturated Polyester Resin Systems for low pressure Fibre Reinforced Plastics - Specification		
ASTM-D-149, Dielectric Strength (short term) in oil, 35 kv/inch		
ASTM E 84	Flame spread	Less than 25 mm
ASTM-D-256	Izod Impact Strength	25 ft - lbs
ASTM-D-635	Flame spread	20mm
ASTM-D-638	Tensile Strength (break point)	30,000 psi
ASTM-D-790	Flexural Strength (break point)	30,000 psi
ASTM-D-2863	Oxygen Index	30%