

PARAMETER OF PULTRUSION PROFILES

Property	Direction	Unit	Test Method	Profiles	Rods
Tensile Strength	LW	MPa	ASTM D638 /GB1447-83	210-350	500-700
	CW	MPa		30-60	
Tensile Modulus	LW	GPa	ASTM D638 /GB1447-83	15-28	32-42
	CW	GPa		5-7	
Flexural Strength	LW	MPa	ASTM D790 /GB1449-83	210-390	600-900
	CW	MPa		60-100	
Flexural Modulus	LW	GPa	ASTM D790 /GB1449-83	15-24	32-42
	CW	GPa		5-7	
Compressive strength	LW	MPa	ASTM D695 /GB1448-83	16-23	
	CW	MPa		5-10	
Short beam shearing strength	LW	MPa	ASTM D2344	22-35	
Impact strength	LW	KJ/m ²	ASTM D256	150-250	
Barcol hardness	-	-	ASTM D2583	40-50	50
Relative density	-	g/cm ²	ASTM D792	1.7-1.9	1.85-1.95

LW = lengthwise CW= crosswise