

FDM Material Properties



Mechanical Properties	Test Method	Units	ABS	PolyCarbonate
Tensile Strength	ASTM D638	psi	3,132	7,635
Tensile Modulus	ASTM D638	psi	238,000	284,000
Tensile Elongation at Break	ASTM D638	psi	10%	10%
Flexural Strength	ASTM D790	psi	4,975	11,068
Flexural Modulus	ASTM D790	psi	176,000	212,000
Hardness	DIN 53505/2240	Shore D	78	78
Melting Temp		degF	280°	280°