

TYPICAL PROPERTIES OF TOYOLAC 844V X05

Typical Properties	Test Method	Test Conditions	SI Unit	Typical Value
Physical				
Specific Gravity	ASTM D792		-	1.16
Mould Shrinkage	ASTM D955		%	0.4 - 0.7
Rheological				
Melt Flow Rate	ISO 1133	200°C / 5 kg	g/10 min	-
	ISO 1133	220°C / 10 kg	g/10 min	35
Mechanical				
Tensile stress at yield	ASTM D638	at 5 mm/min	MPa	41
Tensile strain at break	ASTM D638	at 5 mm/min	%	>5
Flexural Strength	ASTM D790	at 3 mm/min	MPa	66
Flexural Modulus	ASTM D790	at 3 mm/min	MPa	2230
Rockwell Hardness	ASTM D785	R scale	-	105
Impact				
Izod Impact Strength, notched	ASTM D256	12.7 x 62.5 x 12.7 ^t mm (23°C)	J/m	137
Izod Impact Strength, notched	ASTM D256	12.7 x 62.5 x 3.2 ^t mm (23°C)	J/m	186
Thermal				
HDT (Unannealed) 127 x 12.7 x 6.4 ^t mm	ASTM D648	1.82 MPa Loading, 18.56 kg/cm ²	°C	82
Flammability				
Flammability	UL 94		-	1.5mm V0
				2.5mm 5VA
				2.0mm 5VB

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