

TYPICAL PROPERTIES OF TOYOLAC ASG-30

Typical Properties	Test Method	Test Conditions	SI Unit	Typical Value
Physical				
Specific Gravity	ASTM D792		-	1.3
Mould Shrinkage	ASTM D955		%	0.1 - 0.3
Rheological				
Melt Flow Rate	ISO 1133	240°C / 10 kg	g/10 min	20
Mechanical				
Tensile Stress at Break	ASTM D638	at 5 mm/min	MPa	142
Tensile Strain at break	ASTM D638	at 5 mm/min	%	3
Flexural Strength	ASTM D790	at 3 mm/min	MPa	170
Flexural Modulus	ASTM D790	at 3 mm/min	MPa	9400
Rockwell Hardness	ASTM D785	R scale	-	126
Glass Content	Toray Method		wt%	30
Impact				
Izod Impact Strength, notched	ASTM D256	12.7 x 62.5 x 12.7 [±] mm (23°C)	J/m	50
Thermal				
HDT (Unannealed) 127 x 12.7 x 6.4 [±] mm	ASTM D648	1.82 MPa Loading, 18.56 kg/cm ²	°C	110
Flammability				
Flammability	UL 94		-	HB

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