

**TYPICAL PROPERTIES OF TOYOLAC ASG-30**

Typical Properties	Test Method	Test Conditions	SI Unit	Typical Value
<b>Physical</b>				
Specific Gravity	ASTM D792		-	1.3
Mould Shrinkage	ASTM D955		%	0.1 - 0.3
<b>Rheological</b>				
Melt Flow Rate	ISO 1133	240°C / 10 kg	g/10 min	16
<b>Mechanical</b>				
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
<b>Impact</b>				
Izod Impact Strength, notched	ASTM D256	12.7 x 62.5 x 12.7 <sup>±</sup> mm (23°C)	J/m	50
<b>Thermal</b>				
HDT (Unannealed) 127 x 12.7 x 6.4 <sup>±</sup> mm	ASTM D648	1.82 MPa Loading, 18.56 kg/cm <sup>2</sup>	°C	110
<b>Flammability</b>				
Flammability	UL 94		-	HB

Toray Plastics Malaysia Sdn.

