

TYPICAL PROPERTIES OF TOYOLAC 920 555

Typical Properties	Test Method	Test Conditions	SI Unit	Typical Value
<b>Physical</b>				
Specific Gravity	ASTM D792		-	1.09
Mould Shrinkage	ASTM D955		%	0.4 - 0.6
<b>Rheological</b>				
Melt Flow Rate	ISO 1133	220°C/10kg	g/10min	25
<b>Mechanical</b>				
Tensile Stress at yield	ASTM D638	at 5mm/min	MPa	48
Tensile Strain at break	ASTM D638	at 5mm/min	%	20
Flexural Strength	ASTM D790	at 3mm/min	MPa	74
Flexural Modulus	ASTM D790	at 3mm/min	MPa	2160
Rockwell Hardness	ASTM D785	R scale	-	115
<b>Impact</b>				
Izod Impact Strength, notched	ASTM D256	12.7x62.5x12.7 <sup>t</sup> mm (23°C)	J/m	108
<b>Thermal</b>				
HDT (Unannealed) 127x12.7x6.4 <sup>t</sup> mm	ASTM D648	1.82MPa Loading, 18.56kg/cm <sup>2</sup>	°C	83
<b>Flammability</b>				
Flammability	UL94			HB
<b>Light Transmission</b>				
Light Transmittance	ASTM D1003	3 <sup>t</sup> mm	%	88
Haze	ASTM D1003	3 <sup>t</sup> mm	%	2

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