

TYPICAL PROPERTIES OF TOYOLAC 920 555

Typical Properties	Test Method	Test Conditions	SI Unit	Typical Value
Physical				
Specific Gravity	ASTM D792		-	1.09
Mould Shrinkage	ASTM D955		%	0.4 ~ 0.6
Rheological				
Melt Flow Rate	ISO 1133	220°C/10kg	g/10min	25
Mechanical				
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
Impact				
Izod Impact Strength,notched	ASTM D256	12.7x62.5x12.7 ^t mm (23°C)	J/m	108
Thermal				
HDT (Unannealed) 127x12.7x6.4 ^t mm	ASTM D648	1.82MPa Loading, 18.56kg/cm ²	°C	83
Flammability				
Flammability	UL94			HB
Light Transmission				
Light Transmittance	ASTM D1003	3 ^t mm	%	88
Haze	ASTM D1003	3 ^t mm	%	2

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