

# GLS POLYMERS PVT.LTD

(Manufacturer of Blends,compounds & Reactive polymers )



## Product Data Sheet

Product :- Nylon6 15 GF Precolor

Grade :- PG39

	UNIT	VALUE	ASTM
Specific Gravity	-----	1.20 - 1.24	D 792
Molding Shrinkage 3.2 mmsection	%	0.3-0.6	D 955
<b>MECHANICAL</b>			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	J/m	40 min	D 256
Tensile Strength YIield@ 50mm/min	MPa	100 min	D 638
Tensile Elongation@ break 50mm/min	%	2 -6	D 638
Flexural Strength 2mm/min	MPa	130 min	D 790
Flexural Modulus 2mm/min	MPa	4000 min	D 790
<b>THERMAL</b>			
Heat Deflection Temperature			
@ 264 psi (1820 kPa)	°C	58 min	D 648
@ 66 psi (455 kPa)	°C	150 min	D 648
Vicat Softening- Method B	°C	210 Min	D 648
Flammability @ 3mm	-----	HB	UL94
<b>GENERAL PROCESSING FOR INJECTION MOLDING</b>			
Injection Pressure	MPa	68 - 105	
Melt Temperature	°C	245- 280	
Mold Temperature	°C	55-95	
Drying	hr @ °C	3 @ 85	
Data herein is typical and not to be construed as specifications. Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties. The Above mentioned tchnical data is purely indicative and is given without any guarantee			
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