

GLS POLYMERS PVT.LTD

(Manufacturer of Blends, compounds & Reactive polymers)



Product Data Sheet

Product :- Nylon6 Impact Modified Precolor

Grade :- PN09 IM1

	UNIT	VALUE	ASTM
Specific Gravity	-----	1.10 - 1.12	D 792
Molding Shrinkage 3.2 mm section	%	1.5 -2.0	D 955
MECHANICAL			
Impact Strength, Izod			
Notched 1/8 in (3.2 mm) section	J/m	160 min	D 256
Tensile Strength @ 50mm/min	MPa	45 min	D 638
Tensile Elongation@ 50mm/min	%	> 8.0	D 638
Flexural Strength 2mm/min	MPa	68 min	D 790
Flexural Modulus 2mm/min	MPa	1600 min	D 790
THERMAL			
Heat Deflection Temperature			
@ 264 psi (1820 kPa)	°C	56 min	D 648
Vicat Softening- Method B	°C	180 Min	D 648
Flammability @ 3mm	-----	HB	UL94
GENERAL PROCESSING FOR INJECTION MOLDING			
Injection Pressure	MPa	68 -105	
Melt Temperature	°C	240 - 278	
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 technical data is purely indicative and is given without any guarantee			
GLS POLYMERS PVT LTD, #415, 11th CROSS, 4th PHASE, PIA, BANGALORE-560 058, INDIA			