

GLS POLYMERS PVT.LTD

(Manufacturer of Blends, compounds & Reactive polymers)



Product Data Sheet

Product :- ABS HR1 (Heat Resistance) Precolor

Grade :- NN09

	UNIT	VALUE	ASTM
Specific Gravity	-----	1.04 -1.05	D 792
Melt Flow Rate @ 220 °C / 10 kg	g/10 min	6 -10	D 1238
Molding Shrinkage 3.2 mm section	%	0.40 - 0.60	D 955
MECHANICAL			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	J/m	120 -140	D 256
Tensile Strength @ 50mm/min Yield	MPa	45 -52	D 638
Flexural Strength 2mm/min	MPa	75 -82	D 790
Flexural Modulus 2mm/min	MPa	2300 -2450	D 790
THERMAL			
Heat Deflection Temperature			
@ 264 psi (1820 kPa)	°C	106 -108	D 648
Vicat Softening	°C	125 - 127	D 648
Flammability @ 3mm	-----	HB	UL94
GENERAL PROCESSING FOR INJECTION MOLDING			
Injection Pressure	MPa	70 - 101	
Melt Temperature	°C	206 - 236	
Mold Temperature	°C	65- 86	
Drying	hr @ °C	2 @ 80	
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			
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