

Hy-Vin® VQ130

Rigid Polyvinyl Chloride

INEOS Compounds

Message:

Rigid PVC Injection Moulding Compound
Colour: Clears and Colours
Application: Rigid Medical mouldings
Specification: Meets Heavy metal requirements of BS2463, Freedom from toxicity tests & US Pharmacopoeia Class VI biological tests for plastics

General Information			
Uses	Medical/Healthcare Applications		
Agency Ratings	BS 2463		
	USP Class VI		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.35	g/cm ³	BS 2782
Molding Shrinkage ²	0.30	%	BS 2782
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ³ (Yield)	44.8	MPa	BS 2782
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁴ (23°C)	7.8	kJ/m ²	BS 2782
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	78.0	°C	BS 2782 ⁵
--	72.3	°C	BS 2782 ⁶
Injection	Nominal Value	Unit	
Rear Temperature	150	°C	
Middle Temperature	155	°C	
Front Temperature	160	°C	
Nozzle Temperature	170	°C	
Mold Temperature	25.0	°C	
Injection Pressure	12.0	MPa	
Back Pressure	0.100 to 0.500	MPa	
Screw Speed	50	rpm	
NOTE			
1.	varies with colour		

2.	DTM 225
3.	50 mm/min
4.	Notch A
5.	A (10N)
6.	B (50N)

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