

Dural 205JB CLEAR 0003

Rigid Polyvinyl Chloride

AlphaGary

Message:

Dural 205JB Clear 0003 is a non-toxic, high flow, high impact clear rigid PVC composition primarily designed for injection blow molding. This compound provides high thermal stability for the injection blow molding of articles such as vials and bottles. Its relatively high heat distortion properties make it suitable for parts which will be exposed to a wide range of ambient conditions. Dural 205JB Clear 0003 is produced from FDA sanctioned ingredients

General Information			
Features	Good Thermal Stability		
	High Flow		
	High Impact Resistance		
	Non-Toxic		
Uses	Bottles		
	Vials		
Agency Ratings	FDA Unspecified Rating		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28 to 1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	14	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, 3.18 mm)	72 to 78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2240	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 1.91 mm	42.7	MPa	
Break, 1.91 mm	28.6	MPa	
Tensile Elongation (Break, 1.91 mm)	10	%	ASTM D638
Flexural Modulus (3.18 mm)	2420	MPa	ASTM D790
Flexural Strength (Yield)	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	910	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.3	°C	ASTM D648

Injection	Nominal Value	Unit
Processing (Melt) Temp	177 to 182	°C

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