

G-Lene I50A180

High Density Polyethylene

Gas Authority of India Limited

Message:

I50A180 has excellent process ability with low degree of warpage and is suitable for household items like Buckets, Mug etc.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	High Gloss		
	High Impact Resistance		
	High Stiffness		
	Low Warpage		
Uses	Containers		
	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	< 10.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.2	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	593	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ASTM D1525

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