

PCC HD 5502 GA

High Density Polyethylene

PCC Plastics & Consultations Center

Message:

HD 5502 GA is a medium molecular weight copolymer grade with a broad molecular weight distribution, which offers an optimum balance of properties for use in a wide range of blow moulded applications.

Characteristics:

Easy Processing

Good Rigidity

High Environmental Stress-Cracking Resistance

Medium Impact Strength

Applications:

Blow moulded containers up to 30 litres for packaging chemicals.

Household products

Ducting pipe

Drainage pipe

Non pressure pipe

General Information			
Features	Copolymer		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Medium Impact Resistance		
	Medium Molecular Weight		
	Wide Molecular Weight Distribution		
Uses	Household Goods		
	Packaging		
	Piping		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	25.0	MPa	Internal Method
Tensile Strain ² (Break)	1000	%	Internal Method
Flexural Modulus	1000	MPa	ISO 178
Additional Information	Nominal Value	Unit	
Bottle Stress Crack Resistance ³ (50°C)	1.0	day	
NOTE			

1.	BP 13B/1
2.	BP 13B/1
3.	BP 13C/25

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