

G-Lex E52A003

High Density Polyethylene
Gas Authority of India Limited

Message:

G-Lex E52A003 is a High Density Polyethylene material. It is available in Asia Pacific for extrusion or pipe extrusion.
Important attributes of G-Lex E52A003 are:
Impact Resistant
Antioxidant
Good Processability
Good Weather Resistance
High ESCR (Stress Crack Resistant)
Typical application of G-Lex E52A003: Plumbing/Piping/Potable Water

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Processability		
	Good Weather Resistance		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Piping		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.28	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.5	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	696	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	122	°C	ASTM D1525

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