

# G-Lex P54A001

High Density Polyethylene  
Gas Authority of India Limited

Message:

G-Lex P54A001 is a High Density Polyethylene material. It is available in Asia Pacific for extrusion or pipe extrusion.  
Important attributes of G-Lex P54A001 are:  
Impact Resistant  
Antioxidant  
Good Processability  
Good Weather Resistance  
High ESCR (Stress Crack Resistant)  
Typical application of G-Lex P54A001: 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 <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	834	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525

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