

Lupolen GX 5038

High Density Polyethylene

LyondellBasell Industries

Message:

Lupolen GX 5038 is a new generation hexene linear high-density polyethylene for injection molding. Typical customer applications may include SCR reservoirs (SCR = Selective Catalytic Reduction).

Lupolen GX 5038 is a pelletized polymer.

It is not intended for use in medical and pharmaceutical applications.

General Information			
Features	Low warpage		
	High ESCR (Stress Cracking Resistance)		
	Workability, good		
	High liquidity		
	Low temperature impact resistance		
Uses	Industrial water tank		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.945	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
FNCT - 6.0 MPa ¹ (50°C)	1.5	day	ISO 16770
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900	MPa	ISO 527-2
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength			ISO 8256/1A
-30°C	100	kJ/m ²	ISO 8256/1A
23°C	170	kJ/m ²	ISO 8256/1A
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	
NOTE			
1.	2% Arkopal N100		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

