



Lupolen GX 5038

Polyethylene, High Density

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Injection Molding
Features	High ESCR (Environmental Stress Cracking Resistance), High Flow , Low Temperature Impact Resistance, Good Processability, Low Warpage
Typical Customer Applications	Tanks, Industrial

Typical Properties	Method	Value	Unit
Physical			
Density <i>Note: at 23°C</i>	ISO 1183	0.945	g/cm ³
Melt flow rate (190/2.16)	ISO 1133	2,0	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	22	MPa
Tensile Strain at Yield	ISO 527-1, -2	10	%
Tensile Impact Strength	ISO 8256	100	kJ/m ²
<i>Note: Notched @ -30 °C notched, Method 1/A</i>		170	kJ/m ²
<i>Note: Notched @ 23 °C notched, Method 1/A</i>			
Tensile modulus	ISO 527	900	MPa
FNCT (6.0 MPa, 2% Arkopal N 100, 50°C)	ISO 16770	35	h

Additional Properties

Processing: Recommended melt temperature: 190 - 230 °C

Notes

Typical properties; not to be construed as specifications.