

Hostalen GC 7260

High Density Polyethylene
LyondellBasell Industries

Message:

Hostalen GC 7260 is a high density polyethylene (HDPE) resin used in general injection molding applications such as closures, toys, housewares and packaging. Hostalen GC 7260 demonstrates good flowability and high rigidity and has been extensively used by customers in injection molding and other conversion processes. Hostalen GC 7260 is not intended for use in medical and pharmaceutical applications.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Good Flow
	Good Processability
	High Density
	High Rigidity
	Low Warpage
Uses	Caps
	Closures
	Compounding
	Crates
	Household Goods
	Industrial Applications
	Packaging
	Profiles
	Sporting Goods
	Toys
Processing Method	Compounding Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	8.0	g/10 min	
190°C/5.0 kg	23	g/10 min	
FNCT ¹ (50°C)	2.5	hr	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Ball Indentation Hardness (H 132/30)	58.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	7.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.5	kJ/m ²	
23°C	4.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	74.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 250	°C	
NOTE			
1.	6 MPa, 2% Arkopal		

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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



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