

LG Chemical SEETEC PB270 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Features: This high molecular weight, hexane copolymer is tailored for light-weight blow-molded containers that require: Good stiffness and Excellent processability
 Additives: Anti-Oxidants
 Application: Bottles for detergents, Household and industrial chemical containers.
 CAS No. 25213-02-9
 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-PB270-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 - 0.956 g/cc	0.953 - 0.956 g/cc	ASTM D1505
Environmental Stress Crack Resistance	>= 30 hour	>= 30 hour	F50; ASTM D1693
Melt Flow	0.30 - 0.40 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.30 - 0.40 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.5 MPa	3840 psi	50 mm/min; ASTM D638
Elongation at Break	>= 800 % @Thickness 50.0 mm	>= 800 % @Thickness 1.97 in	ASTM D638
Flexural Modulus	1.18 GPa	171 ksi	ASTM D790
Izod Impact, Unnotched	>= 1.96 J/cm @Temperature 23.0 Â°C	>= 3.67 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	132 Â°C	270 Â°F	10Â°C/min; ASTM D3418
Vicat Softening Point	124 Â°C	255 Â°F	ASTM D1525

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