GS Caltex

HDPE 5502BN

General Information

Description

This high molecular weight, ethylene-hexane copolymer is designed for lightweight blow molded containers that require excellent stiffness, processability.

Applications

Household and industrial chemical containers , Food packaging

Typical Properties	Test Method	Units	Result
Physical			
Melt Index (2.16kg @190℃)	ASTM D1238	g/10min	0.35
Density	ASTM D1505	g/cm^3	0.955
Mechanical			
Tensile Strength	ASTM D638	MPa	27
Elongation at Break	ASTM D638	%	600
ESCR, condition B(100% Igepal), F50	ASTM D1693	hr	<30
Brittleness Temperature	ASTM D746	℃	<-75
Thermal			
Vicat	ASTM D1525	℃	127

※ The physical properties were determined on compression molded specimens that were prepared in accordance with ASTM D4703

※ The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purpose.

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