

HDPE 5502BN

General Information

Description

This high molecular weight, ethylene-hexene 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°C)	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	°C	<-75
Thermal			
Vicat	ASTM D1525	°C	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.