

STA5502BM

High Density Polyethylene (HDPE)

Description:

STA5502BM is a high molecular weight, ethylene-hexene copolymer is tailored for lightweight blow molded containers that require excellent stiffness, exceptional processability, durability, recyclability. STA5502BM is selected by customers for use in ice chests and coolers, household and industrial chemical containers, food packaging.

Nominal Physical Properties	Nominal Value	Units	Test Method
Density	0.955	g/cm ³	ASTM D1505
Flow Rate (MI, 190 °C/2.16 kg)	0.35	g/10 min	ASTM D1238
Tensile Strength at Yield , 2 in/min, Type IV bar	4000	psi	ASTM D638
Elongation at Break , 2 in/min, Type IV bar	600	%	ASTM D638
Flexural Modulus , Tangent - 16:1 span:depth, 0.5 in/min	200000	psi	ASTM D790
ESCR , Condition B (100 % Igepal), F50	24	h	ASTM D1693
Brittleness Temperature , Type A, Type I specimen	< -103	°F	ASTM D746

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 purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

Disclaimer:

Before using a product sold by Opec Plastics, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. Seller makes no warranty; express or implies other than as separately agreed to by the parties in a contract.