



High Density Polyethylene HMN 5502

Product Description

HMN 5502 is a high density polyethylene resin produced by loop slurry process Chemical and is typically used for blow molding application.

Typical Applications

Small and medium size blow molded containers for household and industrial chemicals.

This product is not intended for use in medical and pharmaceutical applications.

Physical Properties	Unit	Test Method	Value ⁽¹⁾
Melt Flow Index (190°C/2.16kg)	g/10min	ISO 1133	0.3
Density	g/cm ³	ISO 1183	0.955
Mechanical Properties ⁽²⁾			
Tensile Strength at Yield	MPa	ISO 527	27
Tensile Elongation at Break	%	ISO 527	600
Flexural Modulus	MPa	ISO 527	1320
Izod Impact, Notched 23 °C	kJ/m ²	ISO 180	10
ESCR (Igepal 100%) F ₅₀	hour	ASTM D1693	22

(1) Typical values only, not to be construed as specification limits

Processing conditions: Recommended melt temperature: 160 – 200 °C