

# HDPE M20953

High Density Polyethylene



**Overview**

Goods stiffness, good impact strenght, enhanced flow, recyclable.

**Applications**

- Storage containers
- Caps and closures
- Housewares
- Toys

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	20	g/10 min	D 1238
Density (g/cm³)	0.953	g/cm³	D 792
Tensile Strength at Yield	3900	psi	D638
Elongation at Break	280	%	D638
Flexural Modulus	175000	psi	D790
ESCR, Condition B, F50	>10	h	D1693
Brittleness Temperature	< -105	°F	D746
Hardness, Shore D	63		D22240
Vicat Softening Point	254	°F	D1525

FDA Status: This material complies with FDA regulations in 21 CFR, section 177.1520