

ExxonMobil™ HDPE HD 7800P

High Density Polyethylene Resin

Product Description

HD7800P is a pipe extrusion grade high density polyethylene copolymer offering an excellent combination of stiffness and stress crack resistance. This material meets or exceeds the AASHTO M294.

General

Additive	▪ Thermal Stabilizer: Yes	▪ Antistatic: No	
Applications	▪ Agriculture Products Containers ▪ Caps and Closures ▪ Food Packaging	▪ Highway Drainage Pipe ▪ Household and Industrial chemical containers ▪ Thermoformed Parts	▪ Thin Gauge Sheet

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.953 g/cm ³	0.953 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	30 g/10 min	30 g/10 min	ASTM D1238

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield (73°F (23°C))	4100 psi	28 MPa	ASTM D638
Flexural Modulus - 2% Secant	140000 psi	970 MPa	ASTM D790
Notched Constant Ligament Stress (NCLS)	> 24 hr	> 24 hr	ASTM F2136

