



CT Polymers POLYETHYLENE

CT-HDPEINGR

High Density Polyethylene Injection Grade

Description: **CT-HPDEINGR**, a high density polyethylene, is an ethylene-hexene copolymer that is tailored for injection molded applications that require moderate flow, stiffness, durability, and impact strength applications.

Typical Uses:

- Industrial Pails
 - Automotive applications
- Pail lids
 - Foamed parts

Typical Properties	Nominal Values	ASTM Method
Density	.953 g/cm ³	D1505
Melt Flow Rate	7 g/10 min	D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	4.100 psi	D638
Elongation at Break, 2 in/min, Type IV bar	950 %	D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	185,000 psi	D790
ESCR, Condition B (100 % Igepal), F ₅₀	20 h	D1693
Durometer Hardness, Type D (Shore D)	62	D2240
Vicat Softening Temperature, Loading 1, Rate A	257 °F	D1525
Brittleness Temperature, Type A, Type I specimen	<-103 °F	D746

Applications: All material information, to CT Polymers knowledge, is believed to be correct. Some values may result from interpolation or correlation of other data. Testing methods are available when requested and are subject to change without notice unless otherwise agreed in writing.