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500# Corrugated Plastic

Description:

This material is a natural high density polyethylene copolymer designed specifically to meet or exceed the material requirements in conduit specifications ASTM F2160, UL 651B and NEMA TC-7. It balances stiffness, ESCR and molecular weight to provide required toughness and crush strength without compromising processability.

Typical Physical Properties

Physical Property	Test Method	Typical Results
Density	ASTM D 4883	0.945 grams
Melt Index (190°C/2.16 kg)	ASTM D 1238	0.35 grams/10min
Tensile Strength @ Yield (2 in/min)	ASTM D 638	3,500 psi
Elongation @ Break (2 in/min)	ASTM D 638	>900%
Flexural Modulus	ASTM D 790	150,000 psi
Hardness, Shore D	ASTM D 2240	68
Deflection Temperature @ 66 psi 156°F	ASTM D 648	69°C
Brittleness Temperature	ASTM D 746	<-105°F
OIT @ 200°C	ASTM D 3895	>20 min
Environmental Stress Crack Resistance	ASTM D 1693	>1,000 hrs.
Cell Classification	ASTM D 3350	335430A
Tensile Impact Strength	ASTM D 1822	110 ft·lb/in²
Vicat Softening Temperature	ASTM D 1525	250°F

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