

HD47-20 High Density Polyethylene

SureSpec HD47-20 is a natural high density polyethylene copolymer designed specifically for telecommunications ducting to meet or exceed the material requirements in conduit specifications ASTM F2160, UL 651A and NEMA TC-7. **SureSpec HD47-20** balances stiffness, ESCR and molecular weight to provide required toughness and crush strength without compromising processability.

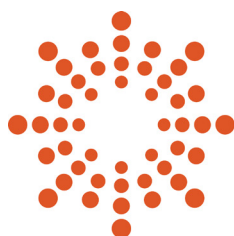
PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	.20
Density	D1505	g/cm ³	0.947
MECHANICAL			
Flexural Modulus ¹	D790	psi	115k
Tensile Strength @ Yield ²	D638	psi	3000
Tensile Strength @ Break ²	D638	psi	4500
ESCR hrs	D1693	Condition B	1000 hrs

Typical Value of Properties not to be construed as specifications

* Test Made on injection molded Type 1 tension test specimen according to ASTM D2146

1 - @ 0.051 in/min

2 - @ 2 in/min.



Genesis Polymers