



dynamic polymers

Offering a complete line of wax based raw materials

PRODUCT: DP-316P

TECHNICAL DATA SHEET:

DYNAMIC POLYMERS DP-316 IS A HARD, HIGH DENSITY OXIDIZED POLYETHYLENE POWDER DESIGNED FOR MULTIFUNCTIONAL USE IN SEVERAL INDUSTRIES. DP-316 HAS A HIGHER DROP POINT AND A HIGHER ACID VALUE MAKING IT EMULSIFIABLE IN AQUEOUS SYSTEMS. DP-316 PROVIDES SUPERIOR END OF USE PROPERTIES INCLUDING:

- ✦ EXCELLENT MAR AND ABRASION RESISTANCE
- ✦ EXCELLENT MELT AND FLOW CHARACTERISTICS IN PVC
- ✦ EMULSIFIABLE IN AQUEOUS SYSTEMS

PROPERTIES	RANGE
SOFTENING POINT (R&B)	128-129 DEG C
ACID NUMBER (ASTM D 1386 MG KOH/G)	16 - 18
PENETRATION @ 23 DEG C (DMM)	<0.5
DENSITY (@ 23 DEG C)	>0.96
DSC MELT PEAK	136 - 138 DEG C
GRANULATION	PASS 20 MESH
COLOR	WHITE/OFF WHITE

END USE/MARKETS:

- ✦ COATINGS
- ✦ PVC/PLASTICS
- ✦ TEXTILES

STANDARD PACKAGING:

DP-316 IS PACKAGED IN 20 KG BAGS/BULK BAGS AS REQUESTED

***APPROVED FOR THE FOLLOWING FDA CFR#s: 172.260, 175.105, 175.125, 175.300, 175.320, 176.170, 176.180, 176.200, 176.210, 177.1200, 177.1210, 177.1620, 177.2600, 177.2800, 178.3570, 178.3850**

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