

# HDPE CD471

High Density Polyethylene Pipe Resin

DID

### **RESIN PROPERTIES (1)**

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	-
190°C/2.16 kg	-	-	0.28
190°C/21.6 kg (HLMI)	-	-	22
Density	D792	g/cm³	0.947
Melting Temperature	D3418	°F	259

# MECHANICAL PROPERTIES (1) (2)

	Method	Unit	Typical Value
Tensile Strength at Yield	D638	psi	3,300
Elongation at Break	D638	%	> 600
1% Flexural Modulus	D790	psi	115,000
Shore Hardness, D Scale	D2240		63
ESCR 10% lgepal®, F10	D1693, B	hr	>100

 $<sup>(1) \</sup> Data \ developed \ under \ laboratory \ conditions \ and \ are \ not \ to \ be \ used \ as \ specification, \ maxima \ or \ minima.$ 

(2) The data listed were determined on compression-molded specimens and may, therefore, vary from specimens taken from molded articles.

# **CHARACTERISTICS:**

- Excellent melt strength
- Good stress cracking resistance and impact strength
- Meets material requirements for ASTM F2160<sup>(3)</sup>

### **APPLICATIONS:**

- Conduit
- · Corrugated pipe
- Profile extrusion

All tests were run under laboratory conditions using American Society for Testing and Materials standards (where applicable) or internal testing procedures. The data is offered in good faith but is intended as a general guide only, and does not necessarily represent results that may be obtained elsewhere. The use of Bayport Polymers LLC ("Baystar") products must be guided solely by the user's own methods for selection of proper formulation to ascertain fitness for any specific application. Baydard stickclaims any responsibility for misuse or misapplication of its products and the user expressly assumes all real failability, whether based in contract, for contention with the use of the information contained in the data or the use of the product. The data is provided without reference to any intellectual property issues, as well as federal, take, or local laws which may be encountered in the use thereof BAYSTAR BAMES NO WARRBARY O'GA and a contained on the product of the product. The data is provided without reference to any intellectual property issues, as well as federal, take, or local laws which may be encountered in the use thereof BAYSTAR BAMES NO WARRBARY O'GA and the product of the



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