

Chevron Phillips HiD® 9300 HDPE Orange Pipe Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

Material Notes:

Resin Type: Linear Copolymer; PE2406 Pipe Resin; ASTM D 3350 Classification: 234363E; ASTM D 4976 Classification: PE 225, A

56607 Characteristics: PPI Recommended Hydrostatic Design Bases (HDB): 1250 psi at 73°F, 1000 psi at 140°F Applications: Natural Gas

Distribution Piping and Fittings Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9300-HDPE-Orange-Pipe-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 2000 hour	>= 2000 hour	F ₅₀ , Cond. B.; ASTM D1693
	@Temperature 50.0 °C	@Temperature 122 °F	
	>= 5000 hour	>= 5000 hour	F ₅₀ Cond. C; ASTM D1693
	@Temperature 100 °C	@Temperature 212 °F	
Melt Flow	0.20 g/10 min	0.20 g/10 min	ASTM D 1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D638
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Stiffness Modulus	0.790 GPa	115 ksi	3 pt. secant ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 °C	248 °F	ASTM D1525
Brittleness Temperature	<= -59.0 °C	<= -74.2 °F	ASTM D746

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