



High Density Polyethylene Flange Adapters

Property	Test Method	Unit	Nominal Value
Density	ASTM D 1505	Gm/cm ³	.955
Melt Index	ASTM D 1238 (Condition E)	Gm/10min	.11
ESCR	ASTM D 1693	F _{O2} Hours	>5000
Flexural Modulus	ASTM D 790	Psi	135,000
Tensile Strength	ASTM D 638	Psi	3,200
HDB@73.4° F	ASTM D 2837	Psi	1,600
UV Stabilizer	ASTM D 1603	%C	>2
Hardness	ASTM D 2240	Shore "D"	65
Tensile Strength @ Yield (Type IV Spec.)	ASTM D 638 (2"/min)	Psi	3,200
Tensile Strength @ Break (Type IV Spec.)	ASTM D 638	Psi	5,000
Elongation @ Break	ASTM D 638	%, minimum	750
Modulus of Elasticity	ASTM D 638	Psi	130,000
Linear Thermal Expansion Coefficient	ASTM D 696	In/in/° F	1.2x10 ⁻⁴
Thermal Conductivity	ASTM D 177	BTU-IN/ft ² /hrs/° F	2.7
Brittleness Temperature	ASTM D 746	° F	<-180
Heat Fusion Condition	—	Psi@° F	75@400°

Specifications

Material Designation	PPI	PE3408
Cell Classification	ASTM D 3350	345434C

Dimensions (inches) for High Density Polyethylene Flange Adaptors								
Pipe Size (Inch)	SDR	Product Code	OD-1	T-1	L	OD-2	T-2	Weight (Lbs)
2"	11	PESE-SDR11-02	2.37	0.22	5.98	4.00	0.40	0.5
2"	17	PESE-SDR17-02	2.37	0.14	5.98	4.00	0.40	0.5
3"	11	PESE-SDR11-03	3.50	0.32	5.98	5.00	0.60	1.0
3"	17	PESE-SDR17-03	3.50	0.20	5.98	5.00	0.60	1.0
4"	11	PESE-SDR11-04	4.50	0.41	5.98	6.60	0.80	2.0
4"	17	PESE-SDR17-04	4.50	0.26	5.98	6.60	0.80	1.0
6"	11	PESE-SDR11-06	6.63	0.60	7.99	8.50	0.80	4.0
6"	17	PESE-SDR17-06	6.63	0.39	7.99	8.50	0.80	3.0
8"	11	PESE-SDR11-08	8.63	0.78	9.02	10.60	0.80	7.0
8"	17	PESE-SDR17-08	8.63	0.51	9.02	10.60	0.80	5.0
10"	11	PESE-SDR11-10	10.75	0.98	9.02	12.80	1.30	11.0
10"	17	PESE-SDR17-10	10.75	0.63	9.02	12.80	0.90	8.0
12"	11	PESE-SDR11-12	12.75	1.16	10.79	15.00	1.50	19.0
12"	17	PESE-SDR17-12	12.75	0.75	10.79	15.00	1.00	12.0
14"	11	PESE-SDR11-14	14.00	1.27	11.00	17.50	1.70	25.0
14"	17	PESE-SDR17-14	14.00	0.82	11.00	17.50	1.10	16.0
16"	11	PESE-SDR11-16	16.00	1.45	12.00	20.00	1.90	35.0
16"	17	PESE-SDR17-16	16.00	0.94	12.00	20.00	1.20	23.0
18"	11	PESE-SDR11-18	18.00	1.64	12.00	21.10	2.10	42.0
18"	17	PESE-SDR17-18	18.00	1.06	12.00	21.10	1.40	28.0
20"	11	PESE-SDR11-20	20.00	1.82	12.00	23.50	2.30	53.0
20"	17	PESE-SDR17-20	20.00	1.18	12.00	23.50	1.50	36.0
22"	11	PESE-SDR11-22	22.00	2.00	12.00	25.60	2.50	65.0
22"	17	PESE-SDR17-22	22.00	1.29	12.00	25.60	1.60	43.0
24"	11	PESE-SDR11-24	24.00	2.18	14.00	27.90	2.90	90.0
24"	17	PESE-SDR17-24	24.00	1.41	14.00	27.90	1.80	59.0

