



**DEXFLEX E1501 TF**

**DESCRIPTION:**

DEXFLEX® E1501 TF thermoplastic olefinic elastomer (TPO) is designed for extrusion applications requiring thermal stability, excellent low-temperature properties, and good dimensional stability over a broad temperature range. This material can be supplied with or without UV stabilizers.

**APPLICATIONS:**

Extrusion and thermoforming

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
<b>PHYSICAL</b>			
Hardness	65	Shore D	D-2240
Specific Gravity	0.98		D-792
Melt Flow Rate (230°C, 2.16 kg load)	1.2	g/10 min	D-1238 Procedure A
Shrink	0.009 – 0.012	in/in	D-955
<b>MECHANICAL</b>			
Flexural Modulus	160,000 (1,103)	psi (MPa)	D-790 <i>I.B., TAN, 0.5 in/min</i>
Tensile Strength – Ultimate	3,300 (23)	psi (MPa)	D-638 <i>IV, 2 in/min</i>
Elongation @ Break	700	%	D-638
Gardner Impact @ 23°C	>320 (36)	in-lb (J)	D-5420-96
@ -30°C	>310 (35)	in-lb (J)	
Notched Izod @ 23°C	16.8 NB	ft-lb/in	D-256
@ -30°C	7.4 NB	ft-lb/in	D-256
<b>THERMAL</b>			
HDT @ 66 psi (0.45 MPa)	190 (88)	°F (°C)	D-648
CLTE (-30°C to 80°C)	3.8 x 10 <sup>-5</sup> (6.8 x 10 <sup>-5</sup> )	in/in/°F (mm/mm/°C)	D-696, <i>Modified</i>

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