



DEXFLEX E300

DESCRIPTION:

DEXFLEX® E300 thermoplastic olefinic elastomer (TPO) is designed for industrial exterior application requiring toughness and colorability. This extrusion-grade material is readily processed into a variety of sheet and profile products. This material can be supplied with or without UV stabilizers.

APPLICATIONS:

Sheet and profile extrusion

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
PHYSICAL			
Hardness	44	Shore D	D-2240
Specific Gravity	0.90		D-792
Melt Flow Rate (230°C, 2.16 kg load)	0.60	g/10 min	D-1238 Procedure A
MECHANICAL			
Flexural Modulus	30,000 (207)	psi (MPa)	D-790 I.B., TAN, 0.5 in/min
Tensile Strength @ Yield	2,200 (15)	psi (MPa)	D-638 IV, 2 in/min
Elongation @ Break	700	%	D-638
Tear Strength	500 (88)	lb/in (kN/m)	D-1004 2 in/min
Gardner Impact @ 23°C	>320 (36)	in-lb (J)	D-5420-96
@ -30°C	>320 (36)	in-lb (J)	
THERMAL			
CLTE (-30°C to 80°C)	3.3 x 10 ⁻⁵ (5.9 x 10 ⁻⁵)	in/in/°F (mm/mm/°C)	D-696, Modified

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