



DEXFLEX E1066

DESCRIPTION:

DEXFLEX® E1066 thermoplastic olefinic elastomer (TPO) is designed for automotive exterior applications that require excellent low-temperature properties and excellent dimensional stability over a broad temperature range. Available in black only.

APPLICATIONS:

Extruded air deflectors, body side moldings, sight shields, and other semi-flexible components

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
PHYSICAL			
Hardness	55	Shore D	D-2240
Specific Gravity	0.90		D-792
Melt Flow Rate (230°C, 2.16 kg load)	0.90	g/10 min	D-1238 Procedure A
MECHANICAL			
Flexural Modulus	60,000 (414)	psi (MPa)	D-790 I.B., TAN, 0.5 in/min
Tensile Strength @ Yield	2,700 (19)	psi (MPa)	D-638 IV, 2 in/min
Elongation @ Break	300	%	D-638
Tear Strength	650 (105)	in/lb (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)	5.0 x 10 ⁻⁵ (9.0 x 10 ⁻⁵)	in/in/°F mm/mm/°C	D-696, Modified

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Solvay
Engineered Polymers
1200 Harmon Road
Auburn Hills, MI 48326
Phone: (248) 391-9500
Fax: (248) 391-9501

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