



DEXPRO E1800

DESCRIPTION:

DEXPRO® E1800 thermoplastic olefin (TPO) is low cost material designed for extruded and thermoformed applications. This product is not UV stabilized and is aimed at general purpose use where extreme performance is not required.

APPLICATIONS:

Sheet Extrusion and Thermoforming.

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
PHYSICAL			
Specific Gravity	0.90		D-792
Melt Flow Rate (230°C, 2.16 kg load)	0.5	g/10 min	D-1238, Procedure A
Mold Shrinkage	0.017	in/in	D-955
MECHANICAL			
Flexural Modulus	180,000	psi	D-790, I.B., TAN, 2 mm/min
Tensile Strength @ Yield	4,100	psi	D-638
Elongation @ Yield	11	%	D-638
Gardner Impact			
@ 23°C	>320	in-lb	D-5420-96
Notched Izod			
@ 23°C	Non-Break	ft-lb/in	D-256
THERMAL			
HDT @ 66 psi	198 (92)	°F (°C)	D-648
CLTE (-30°C to 80°C)	9.0 x 10 ⁻⁵	in/in/°F	D-696 modified
	16.2 x 10 ⁻⁵	mm/mm/°C	

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PRELIMINARY

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

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