



## SEQUEL E3000

### DESCRIPTION:

SEQUEL® E3000 thermoplastic polyolefin (TPO) is designed for thermoformed exterior and interior applications that require low temperature toughness and dimensional stability. This extrusion-grade material is readily processed into a variety of products and has excellent chemical resistance. This material can be supplied with or without UV stabilizers.

PROPERTY	TYPICAL VALUE	UNITS	Test Method
<b>PHYSICAL</b>			
Hardness	65	Shore D	ISO 868
Specific Gravity	1.07	-	ISO 1183
Melt Flow Rate (230°C, 2.16 kg load)	0.8	g/10 min.	ISO 1133 Condition M
Shrink	0.7 – 0.9	%	ASTM D955
<b>MECHANICAL</b>			
Flexural Modulus	300,000 (2,069)	psi (MPa)	ISO 178
Tensile Strength @ Yield	3,100 (21)	psi (MPa)	ISO 527-2/1A/50
Elongation @ Break	275	%	ISO 527-2/1A/50
Gardner Impact @ 23°C @ -30°C	>320 (36) >310 (35)	in*lb (J) in*lb (J)	ASTM D5420
Multi-Axial Impact @ -30°C (2.2 m/s) Ultimate Energy Failure Mode	239 (27) 100% Ductile	in*lb (J) -	ASTM D3763
<b>THERMAL</b>			
HDT @ 66 psi	230 (110)	°F (°C)	ISO 75 un-annealed
CLTE (-30°C to 80°C)	2.67 x 10 <sup>-5</sup> (4.81 x 10 <sup>-5</sup> )	in/in/°F (mm/mm/°C)	ASTM D696 modified
<b>FLAMMABILITY</b>			
UL94 Flammability	HB (all colors)	-	Underwriters Laboratory Inc.
Burn Rate	25	mm/min.	FMVSS 302 (10/02)

3<sup>rd</sup> Generation 09/2005

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

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