



### SEQUEL E5000

**DESCRIPTION:**

SEQUEL® E5000 thermoplastic olefinic elastomer (TPO) is designed for extrusion applications that require high mechanical stiffness, thermal stability, good low-temperature properties, and good dimensional stability over a broad temperature range. This material can be supplied with or without UV stabilizers.

**APPLICATIONS:**

Profile & sheet extrusion

PROPERTY	TYPICAL VALUE	UNITS	ASTM METHOD
<b>PHYSICAL</b>			
Hardness – instantaneous	71	Shore D	D-2240
– 5 second dwell	70	Shore D	D-2240
Specific Gravity	1.15		D-792
Melt Flow Rate (230°C, 2.16 kg load)	0.97	g/10 min	D-1238 Procedure A
Shrink	0.007 – 0.009		
<b>MECHANICAL</b>			
Flexural Modulus	380,000 (2,620)	psi (MPa)	D-790 <i>I.B., TAN, 0.5 in/min</i>
Tensile Strength @ Yield	3,770 (26)	psi (MPa)	D-638 <i>IV, 2 in/min</i>
Elongation @ Break	75	%	D-638
Gardner Impact @ 23°C	280 (32)	in-lb (J)	D-5420-96
Notched Izod Impact @ 23°C	16.5 NB	ft-lb/in	D-256
@ -30°C	1.2 CB	ft-lb/in	D-256
<b>THERMAL</b>			
HDT 0.125 in @ 66 psi	237 (114)	°F (°C)	D-648
0.125 in @ 264 psi	149 (65)	°F (°C)	D-648
CLTE (-30°C to 80°C)	2.6 x 10 <sup>-5</sup> (4.68 x 10 <sup>-5</sup> )	in/in/°F (mm/mm/°C)	D-696, <i>Modified</i>

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