

## Sequel E5800

### DESCRIPTION:

**SEQUEL<sup>®</sup> E5800** thermoplastic olefinic elastomer (TPO) designed for thermoformed exterior and interior cost sensitive applications that require improved stiffness and excellent dimensional stability while maintaining 0°C ductility. This extrusion grade material can be readily processed into a variety of products and has excellent chemical resistance. This material is supplied with or without UV stabilizers.

### APPLICATIONS:

Sheet extrusion and thermoforming.

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
<b>PHYSICAL</b>			
Hardness	70	Shore D	ISO 868
Specific Gravity	1.13		ISO 1183 <i>Method A</i>
Melt Flow Rate	0.7	g/10 min	ISO 1133 (230°C, 2.16 kg load)
As Molded Mold Shrinkage	0.007 – 0.010	in/in	ISO 294
<b>MECHANICAL</b>			
Flexural Modulus	1,950	MPa	ISO 178 <i>2 mm/min</i>
Tensile Strength at Yield	23	MPa	ISO 527 <i>50 mm/min</i>
Elongation at Break	100	%	ISO 527 <i>50 mm/min</i>
Gardner Impact @ 23 °C	30	J	ASTM D5420
@ 0 °C	33		
@ -15 °C	17		
Multiaxial Impact @ 0 °C	23	J	ASTM D3763
<b>THERMAL</b>			
HDT @ 0.45 MPa	119	°C	ISO 75 <i>annealed</i>
CLTE	7.8 x 10 <sup>-5</sup>	mm/mm/°C	ASTM D696 <i>modified</i>
<b>FLAMMABILITY</b>			
Burn Rate	Pass (20)	mm/min	FMVSS 302

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