Sequel E3400 SP

Compounded Polyolefin

Product Description

Sequel E3400 SP fractional melt flow, high flexural modulus, improved scratch resistance thermoplastic polyolefin (TPO) is designed for thermoformed exterior or interior applications that require low-temperature toughness and dimensional stability. This extrusion-grade material exhibits enhanced melt strength for a wide thermoforming processing window.

Product Characteristics

Test Method used	ISO
Processing Methods	Extrusion Thermoforming
Features	Good Dimensional Stability, Good Melt Strength , Scratch Resistant, Low Temperature Toughness
Typical Customer Applications	Bumpers, Exterior Applications, Industrial, Panels & Profiles

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.12	g/cm³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	0.60	g/10 min
Mechanical			
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	21.0	MPa
Note: 150x10x4 mm specimen			
Flexural modulus (2 mm/min)	ISO 178	2000	MPa
Note: 80x10x4 mm specimen			
Thermal			
CLTE	ASTM E228	5.0×10^{-5}	mm/mm/°C
Note: Average of Flow and Transverse (−30 to 80 °C)			
Additional Information			
Mold shrinkage	ISO 294-4		