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Sequel E3400FR

Compounded Polyolefin

Product Description

Sequel E3400FR is a fractional melt flow, high flexural modulus thermoplastic polyolefin (TPO) formulated to exhibit a UL 94 V-1 flammability rating. It is designed for thermoformed applications that require low-temperature toughness and dimensional stability.

Product Characteristics

Test Method used ISO

Processing Methods Extrusion Thermoforming

Features Good Dimensional Stability, Flame Retardant, Good Melt

Strength

Typical Customer Applications Industrial, Panels & Profiles

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.26	g/cm³
Melt flow rate (MFR) (230°C/2.16 kg)	ISO 1133	0.87	g/10 min
Mechanical			
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	20.0	MPa
Note: 150x10x4 mm specimen			
Flexural modulus (2 mm/min)	ISO 178	2200	MPa
Note: 80x10x4 mm specimen			
Impact			
Notched izod impact strength	ISO 180		
(-30°C)		4.0	kJ/m²
(23°C)		38.0	kJ/m²
Thermal			
CLTE	ASTM E228	5.0×10^{-5}	mm/mm/°C
Note: Average of Flow and Transverse (-30 to 80°	°C)		
Flammable			
Flame rating - UL	UL 94	V-1	
Note: All colors, 3.0 mm minimum			
Additional Information			
Mold shrinkage	ISO 294-4		