Sequel 2420

Advanced Polyolefin

Product Description

Sequel 2420 high melt flow, very high flexural modulus, mineral-filled thermoplastic elastomeric olefin has an excellent balance of properties. It was designed primarily for applications that require stiffness, dimensional stability, high impact characteristics and improved surface durability. This material can be used for applications where other engineering polymers have been used, such as ABS, PC/ABS, or PC/PBT blends.

Product Characteristics

Test Method used	ISO
Processing Methods	Injection Molding
Features	Pleasing Surface Appearance, Good Dimensional Stability, High Impact Resistance , Good Processability, Scratch Resistant, High Stiffness
Typical Customer Applications	Instrument Panels, Interior Applications

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.04	g/cm³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	20	g/10 min
Mechanical			
Tensile Stress at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	26	MPa
Tensile Strain at Break (23 °C, 50 mm/min)	ISO 527-1, -2	~100	%
Flexural modulus (23 °C, 2 mm/min)	ISO 178	2300	MPa
Impact			
Notched izod impact strength	ISO 180		
(- 30 °C)		4	kJ/m²
(23 °C)		15	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	65	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	120	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	60	°C
Additional Information			
Mold shrinkage	ISO 294-4		