Technical Data Sheet

Sequel 1780 BLK

Polypropylene Compounds

Product Description

Sequel 1780 BLK engineered polyolefin is typically used for mold-in-color or partially painted automotive exterior applications that require dimensional stability over a broad temperature range with enhanced scratch and mar resistance. This material exhibits excellent processability and low-temperature properties.

Application	Automotive Parts; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Colorability; Good Dimensional Stability; Good Processability; Low Temperature Impact Resistance; Paintable; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ISO 1133-1
Density, (23 °C)	1.02	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C, 2 mm/min)	1500	MPa	ISO 178
Tensile Stress at Yield, (23 °C, 50 mm/min)	20	MPa	ISO 527-1, -2
Impact			
Multi-axial Impact Strength, (23° C, 2.2 m/s, 3.2 mm plaque)	16	J	ASTM D3763
Thermal			
Deflection Temperature Under Load, (66 psi, Unannealed)	88	°C	ASTM D648
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			