



SEQUEL 1823

DESCRIPTION:

SEQUEL® 1823 engineered polyolefin is designed for automotive exterior applications that require energy management combined with excellent ductility and stiffness over a broad temperature range. This material provides excellent processability and dimensional stability.

APPLICATIONS:

Body panels, bumper beams, energy absorbers, and brackets

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
PHYSICAL			
Specific Gravity	1.07	--	ISO 1183
As Molded Mold Shrinkage	.005 - .008	mm/mm	ISO 294
Melt Flow Rate	20.0	g/10 min	ISO 1133
Hardness	65	Shore D	ISO 868
MECHANICAL			
Flexural Modulus	1900	MPa	ISO 178 <i>80x10x4mm specimen, 2 mm/min</i>
Tensile Strength at Yield	19.0	MPa	ISO 527-1 and 527-2 <i>150x10x4 mm specimen, 50 mm/min</i>
Notched Izod Impact, at +23°C	PB	kJ/m ²	ISO 180
Notched Izod Impact, at -30°C	6.8	kJ/m ²	ISO 180
THERMAL			
DTUL @ 0.45 MPa	110	°C	ISO 75
CLTE	5 x 10 ⁻⁵	mm/mm/°C	ASTM D-696

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